

Wetland Elevation and Accretion Trend Analyses:

Posterior Predicted Model Checks

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Site Information

Park abbreviation	Park Name	Site name in this document	Actual site name	Number of stations	Note
ACAD	Acadia National Park	BassHarbor	Bass Harbor	3 SETs	
		MaineCoastHeritage	Maine Coast Heritage	3 SETs	
		Schoodic	Schoodic	3 SETs	
		ThompsonIsland	Thompson Island	3 SETs	
ASIS	Assateague Island National Seashore	Marsh5	Marsh 5	4 SETs	
		Marsh6	Marsh 6	4 SETs	
		Marsh8	Marsh 8	4 SETs	
		Marsh11	Marsh 11	4 SETs	
		MarshExclosures	Marsh Exclosures	4 SETs	Fenced
		Marshnon	Marsh non-Exclosures	12 SETs	Unfenced
BOHA	Boston Harbor Islands National Recreation Area	CalfIsland	Calf Island	3 SETs	
		PeddocksIsland	Peddocks Island	3 SETs	
		ThompsonIsland	Thompson Island	4 SETs	
CACO	Cape Cod National Seashore	BlackfishCreek	Blackfish Creek	6 SETs	
		HatchesHarborDoubleH1	Hatches Harbor HH1	6 SETs (HH1-HH6)	Behind Dike
		HatchesHarborDoubleH2	Hatches Harbor HH2	3 SETs (HH7-HH9)	Outside Dike
		HatchesHarborH1	Hatches Harbor H1	3 SETs (H1, H2, H3)	Outside Dike
		HatchesHarborH2	Hatches Harbor H2	3 SETs (H4, H5, H6)	Behind Dike
		HerringRiverG	Herring River G	3 SETs (G1, G2, G3)	Outside Dike
		HerringRiverGUT	Herring River GUT	3 SETs	Outside Dike
		HerringRiverHighToss	Herring River High Toss	3 SETs	Behind Dike
		HerringRiverPhrag	Herring River Phrag	3 SETs	Behind Dike
		NausetMarshN	Nauset Marsh RSET	3 SETs	
		NausetMarshOldN	Nauset Marsh OLD SET	4 SETs	
COLO	Colonial National Historical Park	Marsh5	Marsh 5	3 SETs	
		Marsh13	Marsh 13	3 SETs	
		Marsh19	Marsh 19	3 SETs	
		Marsh30	Marsh 30	3 SETs	
FIIS	Fire Island National Seashore	GreatGun	Great Gun	3 SETs	
		HospitalPoint	Hospital Point	3 SETs	
		WatchHill	Watch Hill	3 SETs	
GATE	Gateway National Recreation Area	BigEggControl	Big Egg Control	3 SETs	
		BigEggSpray	Big Egg Spray	3 SETs	
		BlackBank	Black Bank	3 SETs	
		EldersEastEE	Elders East	3 SETs	
		EldersEastNF	Elders East NF	3 SETs	NF= Not fertilized
		EldersEastShallow	Elders East Shallow	3 SETs	Shallow SET
		JOCO	JOCO	3 SETs	
		JOCOREFGen	JOCO REF	3 SETs	
		JOCOREFShallow	JOCO REF Shallow	3 SETs	Shallow SET
		SandyHook	Sandy Hook	3 SETs	
GWMP	George Washington Memorial Parkway	DykeMarshCreek	Dyke Marsh Creek	3 SETs	
		DykeMarshInterior	Dyke Marsh Interior	3 SETs	
		DykeMarshRiver	Dyke Marsh River	3 SETs	
NACE	National Capital Parks-East	KenilworthMarsh	Kenilworth Marsh	5 SETs	
		KingmanLake	Kingman Lake	5 SETs	

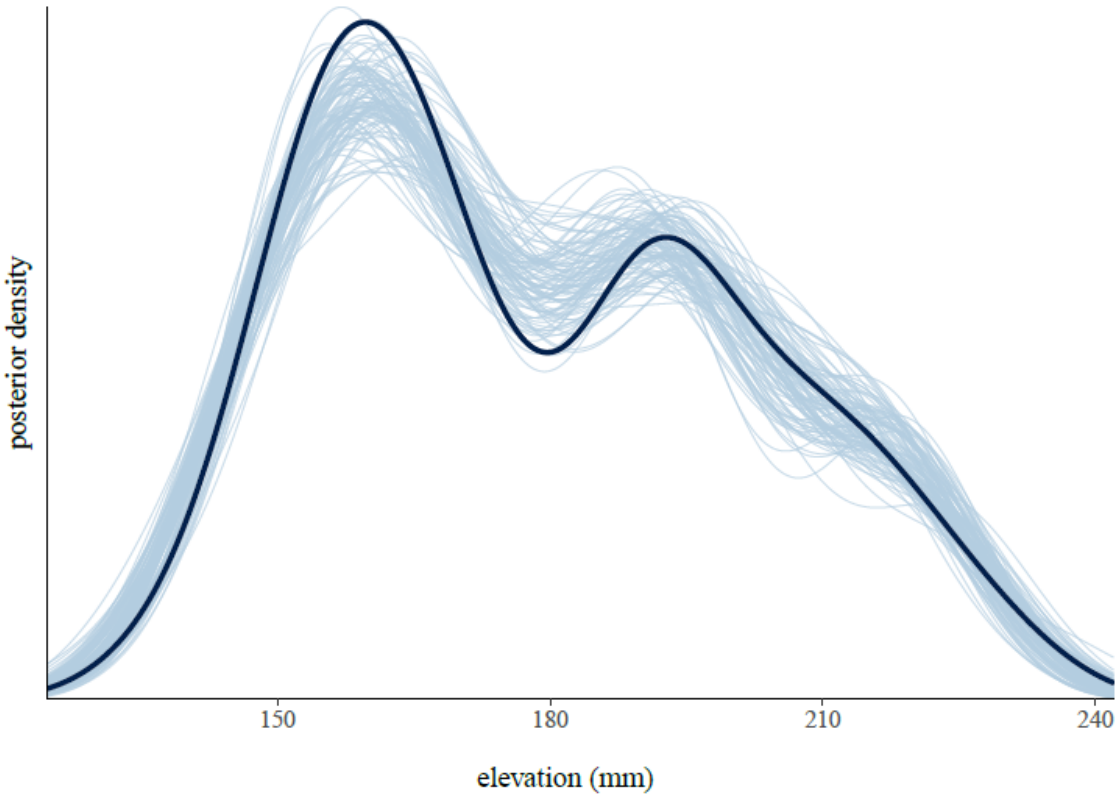
Introduction

In what follows, we present visual posterior predictive checks for the fitted models. We first walk-through model checks for the elevation model for Bass Harbor (Acadia National Park) to describe each plot. Then we present the same plots for each modeled site.

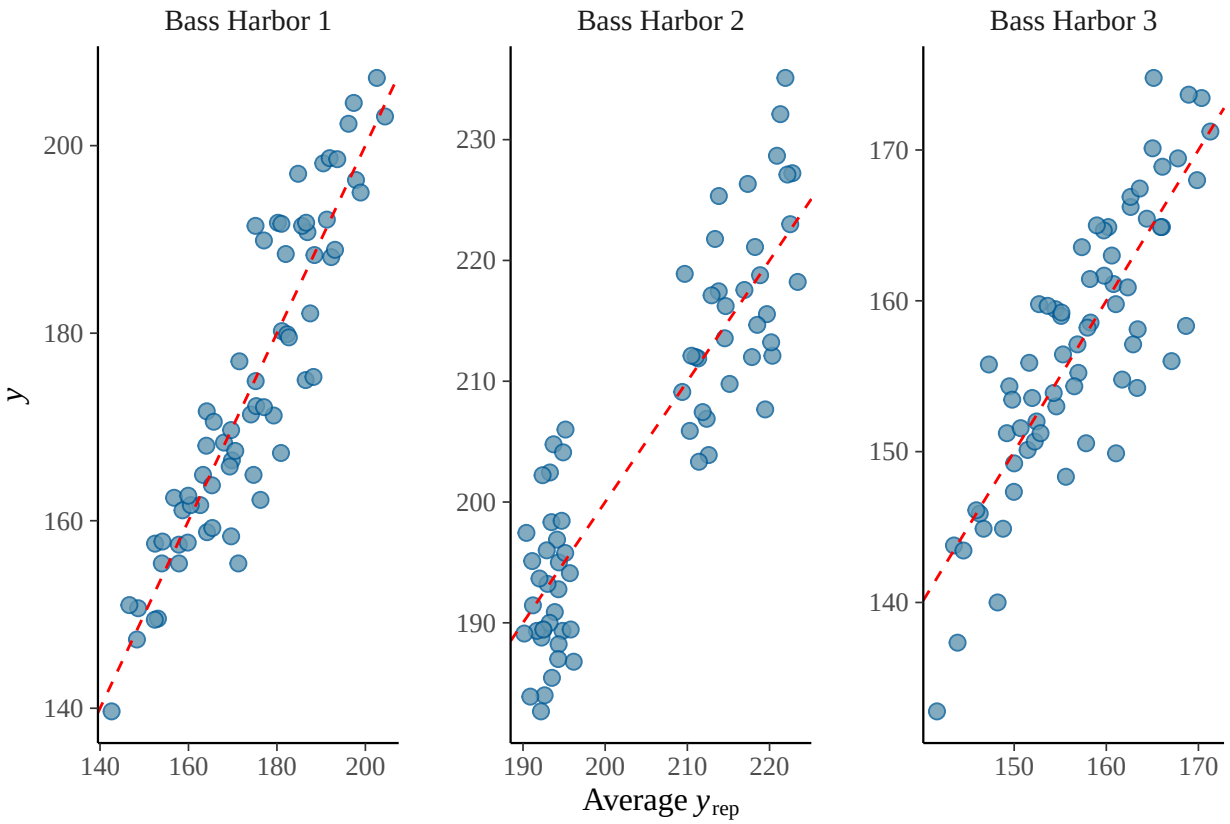
Posterior model checks for Bass Harbor, Acadia National Park

Posterior predictive distributions

These are visual checks to see whether the model can generate data that matches the actual data. The first plot shows the distribution of the real data (*y*) and 100 draws from the posterior predictive distribution (*yrep*). If the posterior predictive distribution matches the real distribution well (overlaps), then the model is "good."

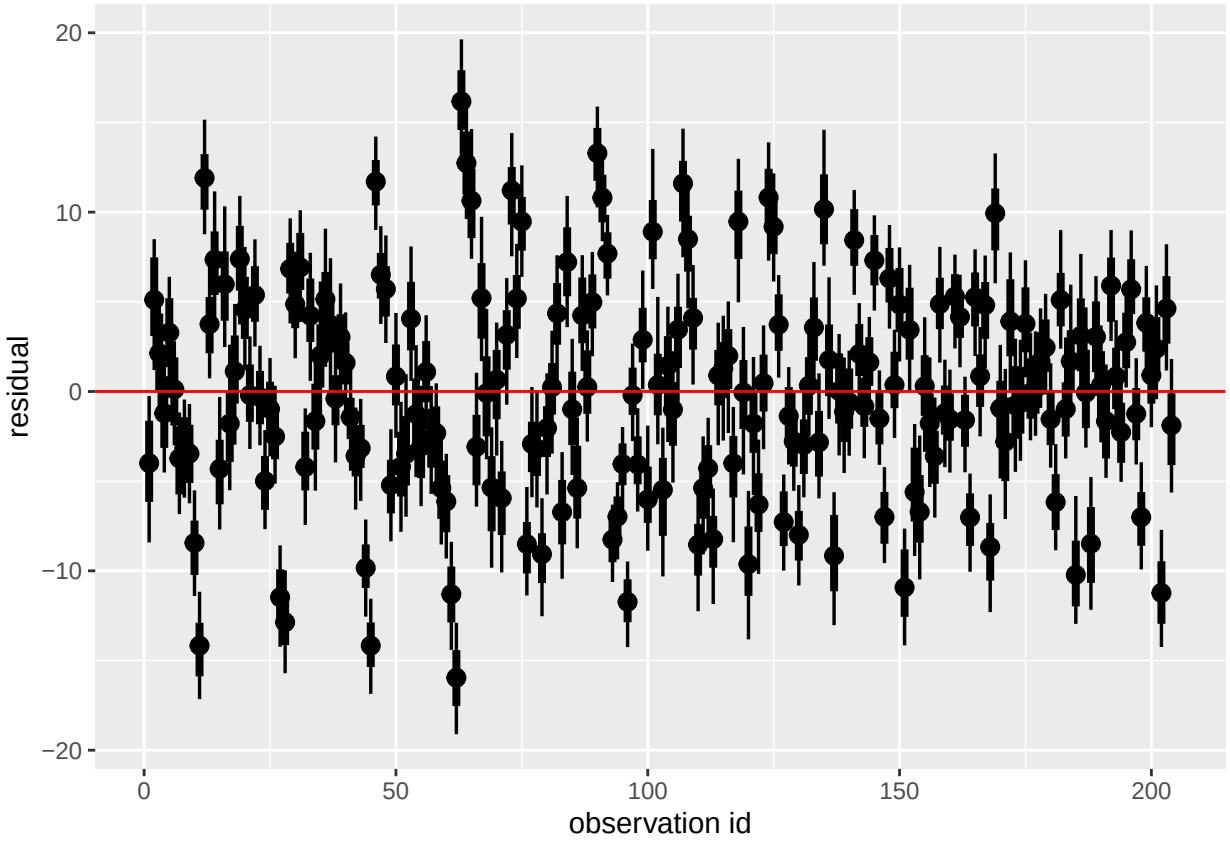


The second plot shows the average posterior prediction for each observation against the observed value, broken apart by SET station. These should be linearly related with an even spread around the 1:1 line (red dashed line).

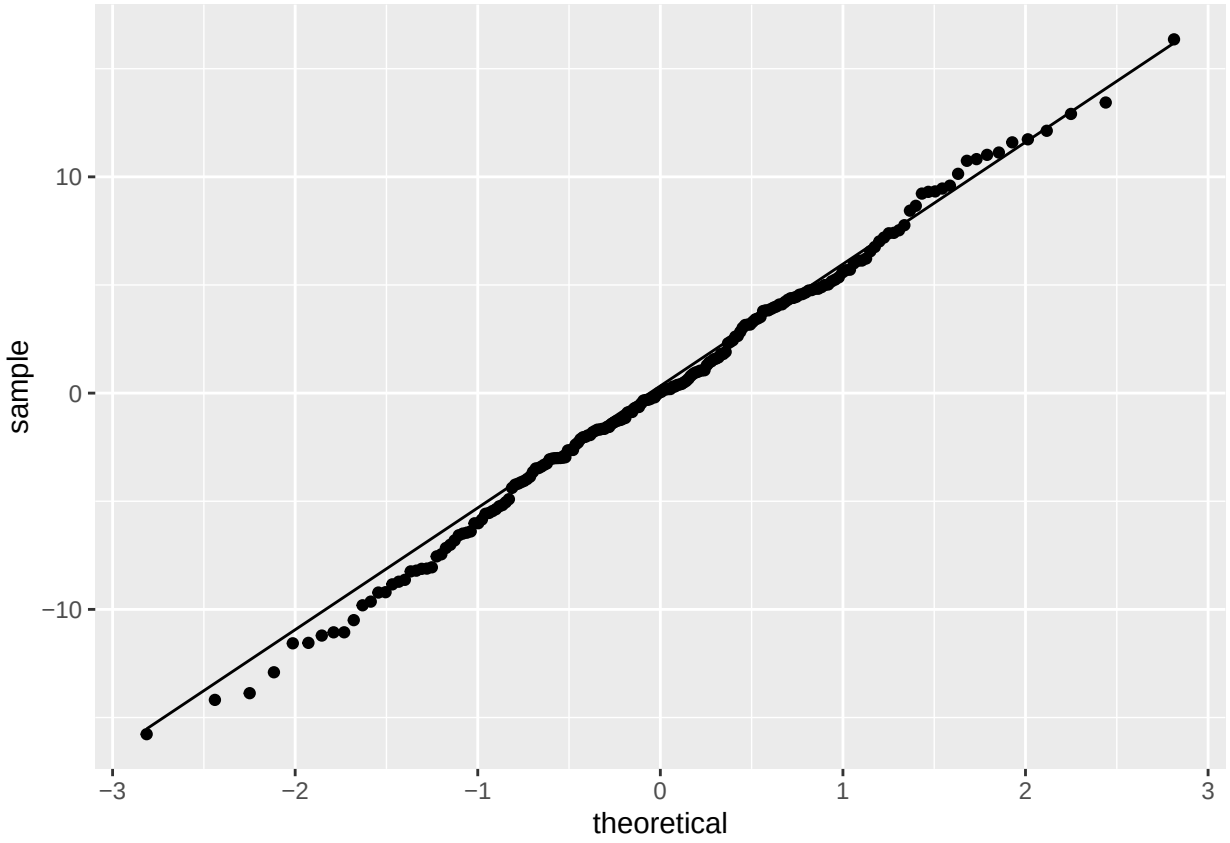


Model residuals

This plot show the posterior distribution of residuals for each observation. The expectation is that the residuals will be evenly distributed positive and negative around the 0 line (red line).



The QQ-plot assesses the normality assumption, which can also indicate whether the linear assumption of the model is held or violated.



HMC convergence diagnostics

We used the Gelman diagnostic (scale reduction factors) to assess whether the HMC chains have converged on stationary distributions. $\hat{R}$ values should be less than 1.1.

	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.01	1.02
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Bass.Harbor.1,Intercept]	1.00	1.00
r_set[Bass.Harbor.2,Intercept]	1.00	1.00
r_set[Bass.Harbor.3,Intercept]	1.00	1.00
r_set[Bass.Harbor.1,year]	1.00	1.00
r_set[Bass.Harbor.2,year]	1.00	1.00

	Point est.	Upper C.I.
r_set[Bass.Harbor.3,year]	1.00	1.00
r_set:arm[Bass.Harbor.1_A,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.1_B,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.1_C,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.1_D,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.2_A,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.2_B,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.2_C,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.2_D,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.3_A,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.3_B,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.3_C,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.3_D,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.1_A,year]	1.00	1.00
r_set:arm[Bass.Harbor.1_B,year]	1.00	1.01
r_set:arm[Bass.Harbor.1_C,year]	1.00	1.00
r_set:arm[Bass.Harbor.1_D,year]	1.00	1.00
r_set:arm[Bass.Harbor.2_A,year]	1.00	1.00
r_set:arm[Bass.Harbor.2_B,year]	1.00	1.00
r_set:arm[Bass.Harbor.2_C,year]	1.00	1.00
r_set:arm[Bass.Harbor.2_D,year]	1.00	1.00
r_set:arm[Bass.Harbor.3_A,year]	1.00	1.00
r_set:arm[Bass.Harbor.3_B,year]	1.00	1.00
r_set:arm[Bass.Harbor.3_C,year]	1.00	1.00
r_set:arm[Bass.Harbor.3_D,year]	1.01	1.01
lp___	1.00	1.00

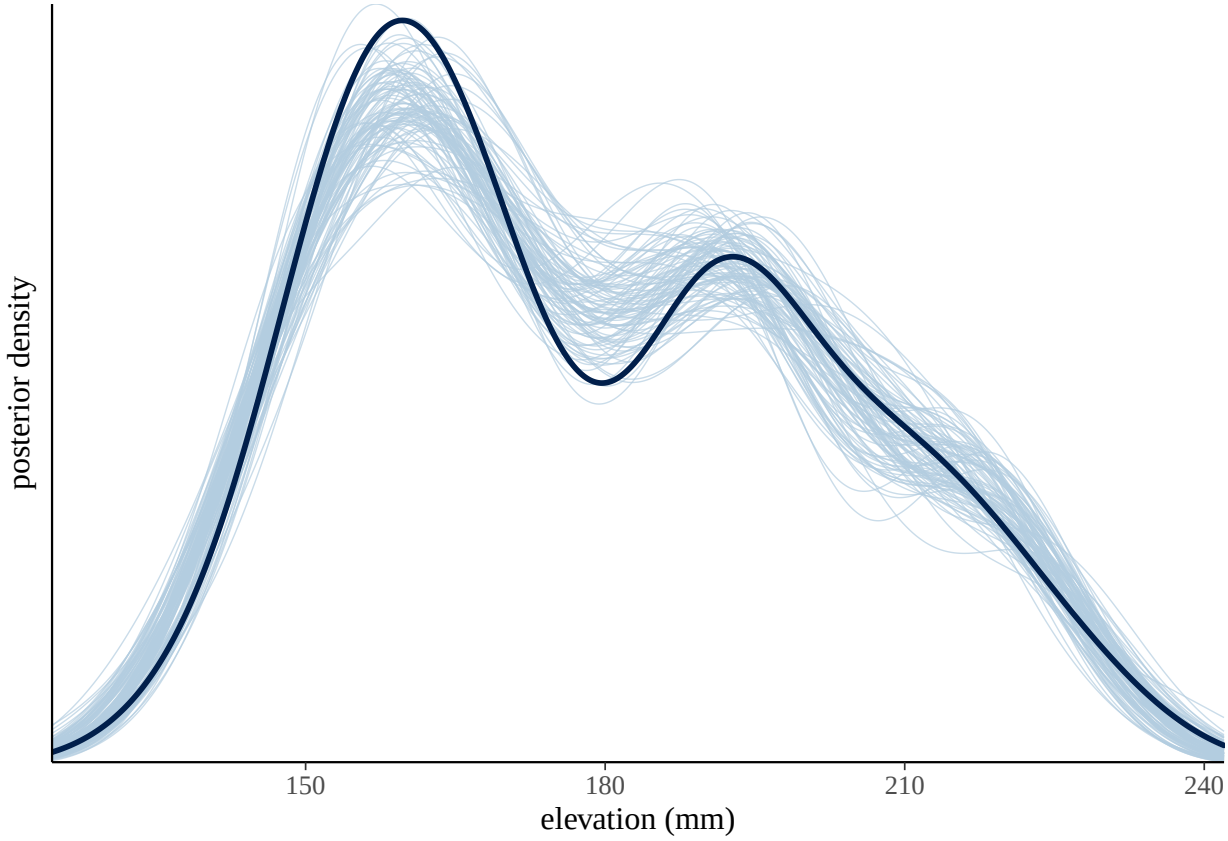
Potential algorithm errors

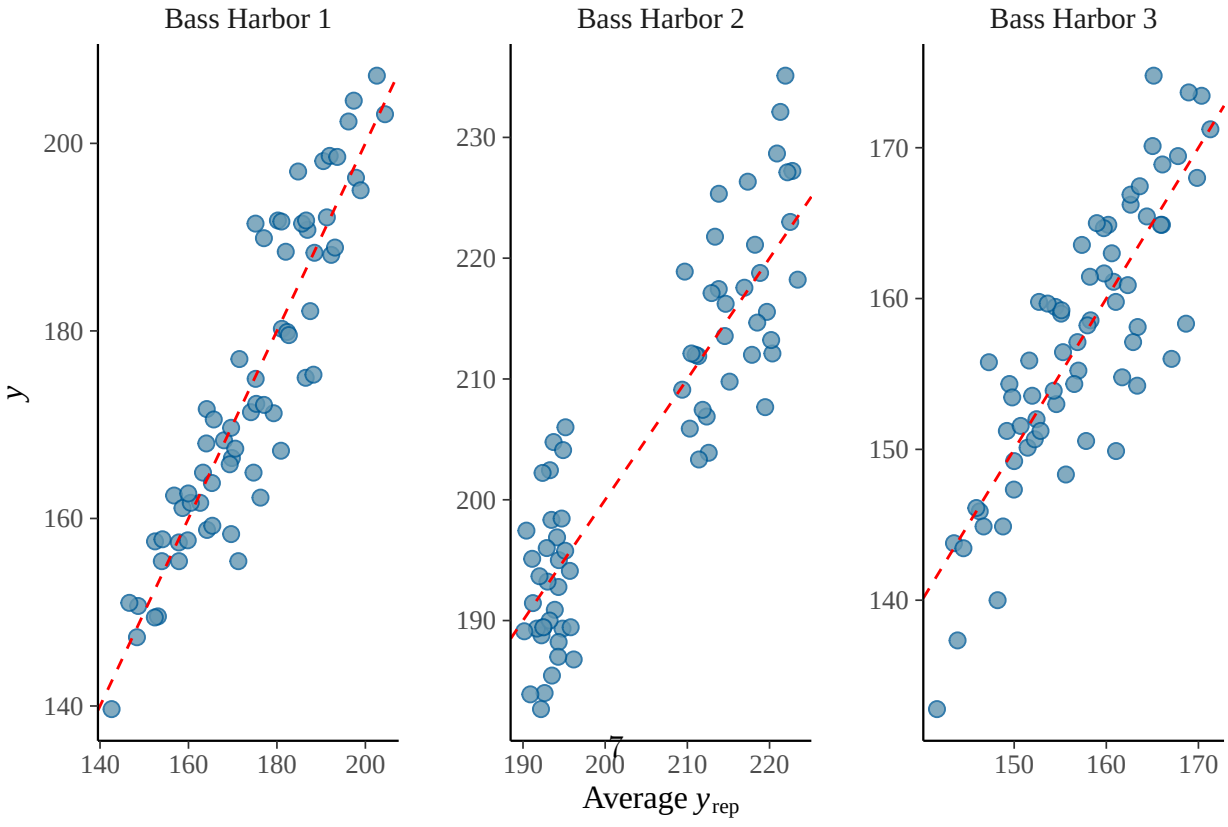
Last, we check whether the HMC algorithm encountered issues related to divergences. This number should be zero or very low.

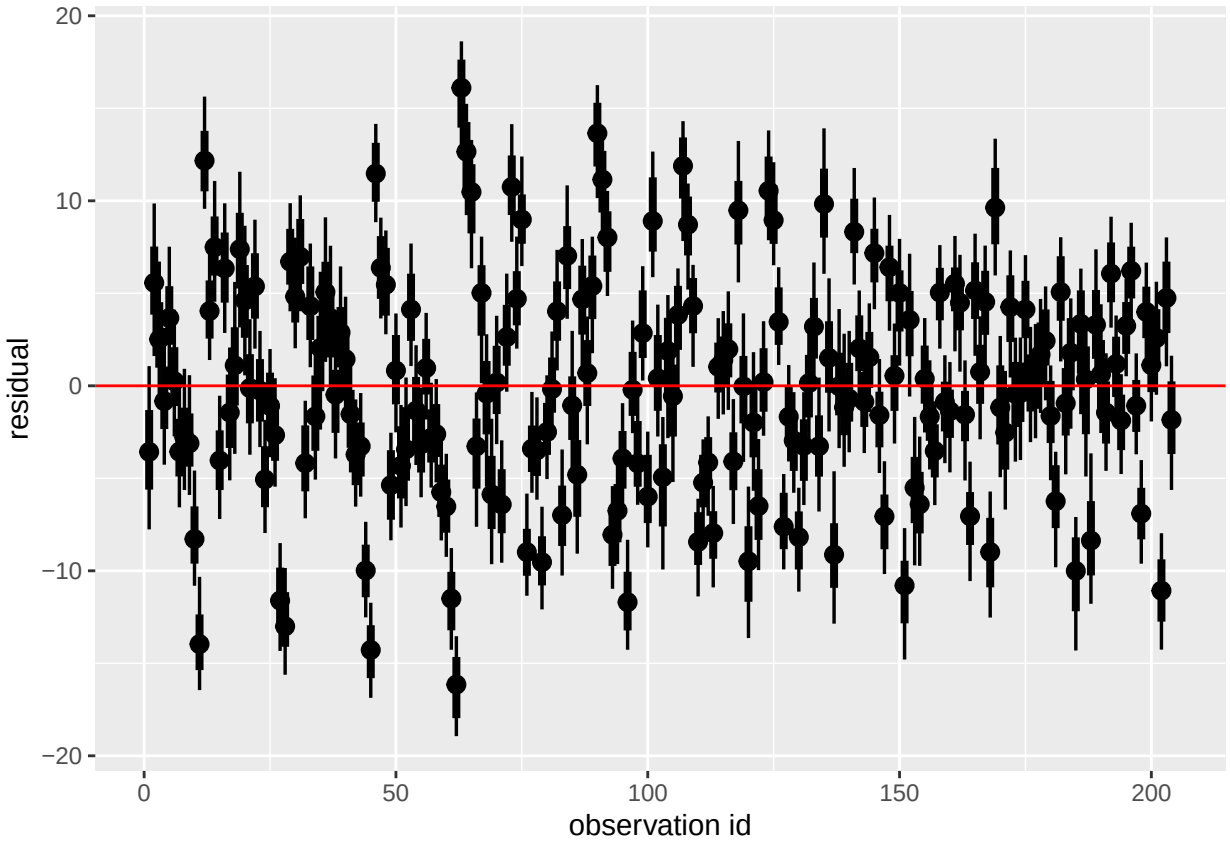
Number of divergences: 0

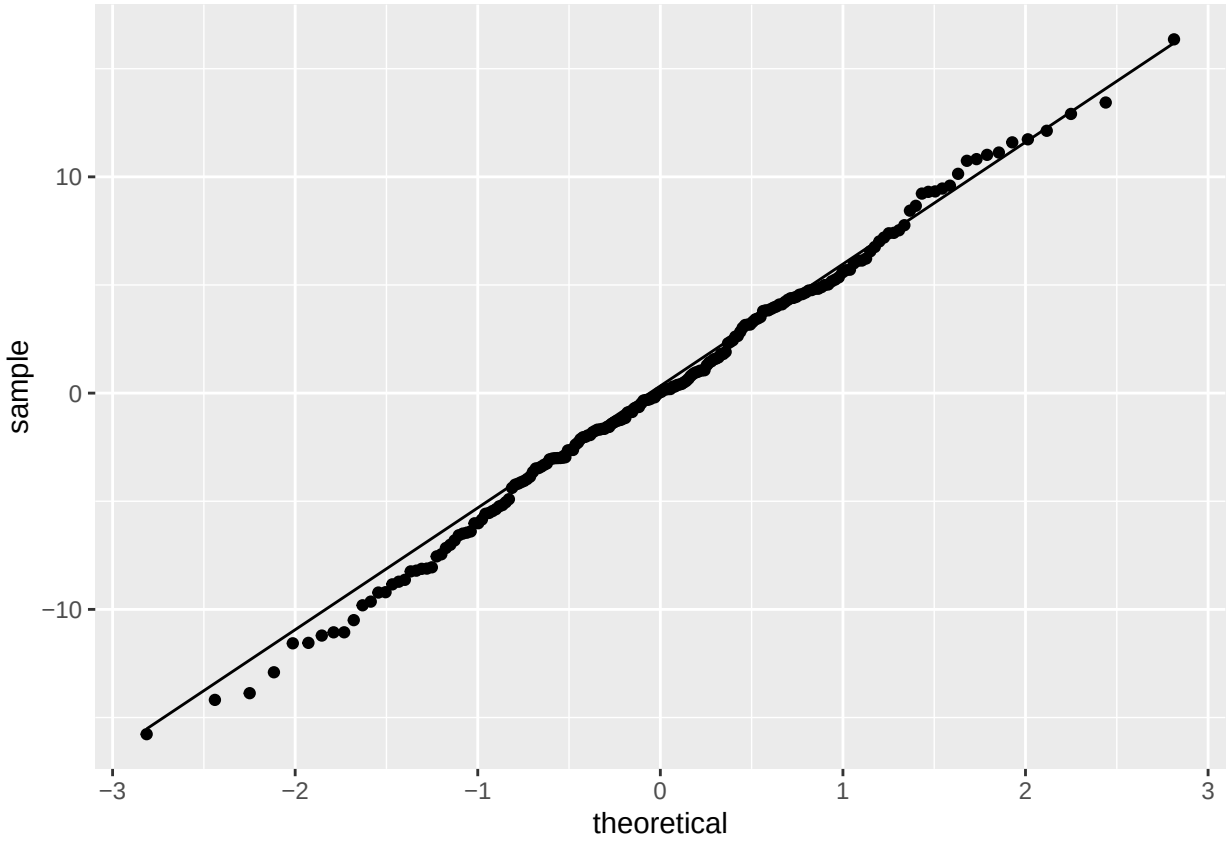
Posterior model checks for elevation models for all sites

ACAD: BassHarbor






20
10
0
−10
−20
residual
0
50
100
150
200
observation id

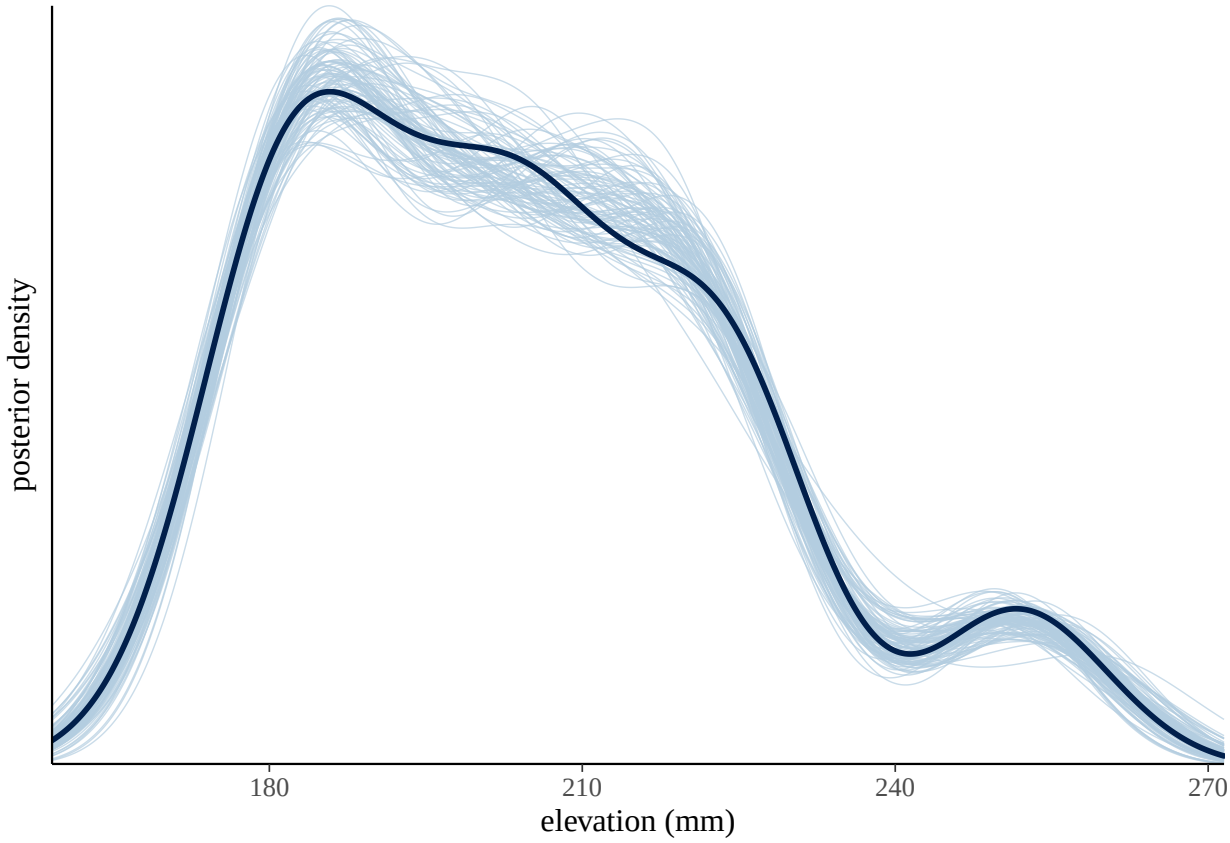


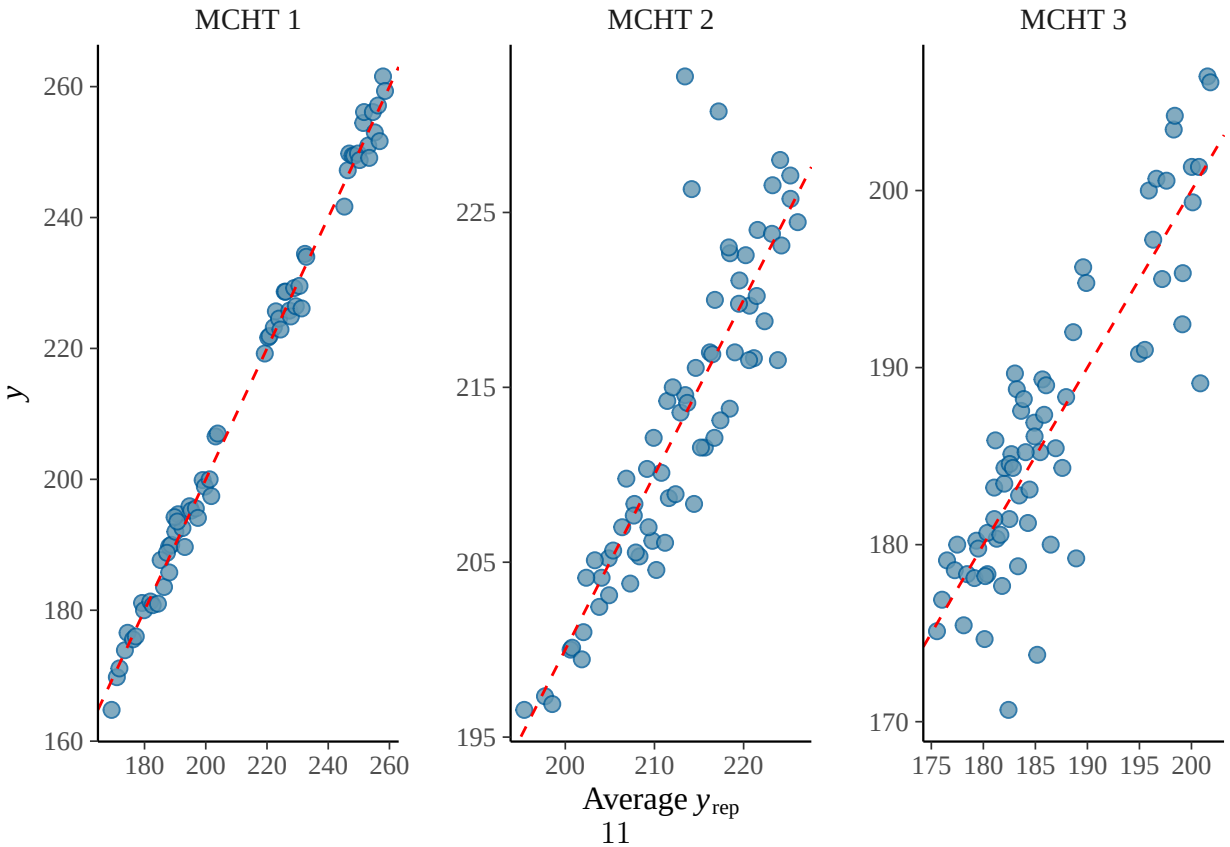
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b_year	1.00	1.00
sd_set__Intercept	1.01	1.02
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Bass.Harbor.1,Intercept]	1.00	1.00
r_set[Bass.Harbor.2,Intercept]	1.00	1.00
r_set[Bass.Harbor.3,Intercept]	1.00	1.00
r_set[Bass.Harbor.1,year]	1.00	1.00
r_set[Bass.Harbor.2,year]	1.00	1.00
r_set[Bass.Harbor.3,year]	1.00	1.00
r_set:arm[Bass.Harbor.1_A,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.1_B,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.1_C,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.1_D,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.2_A,Intercept]	1.00	1.00

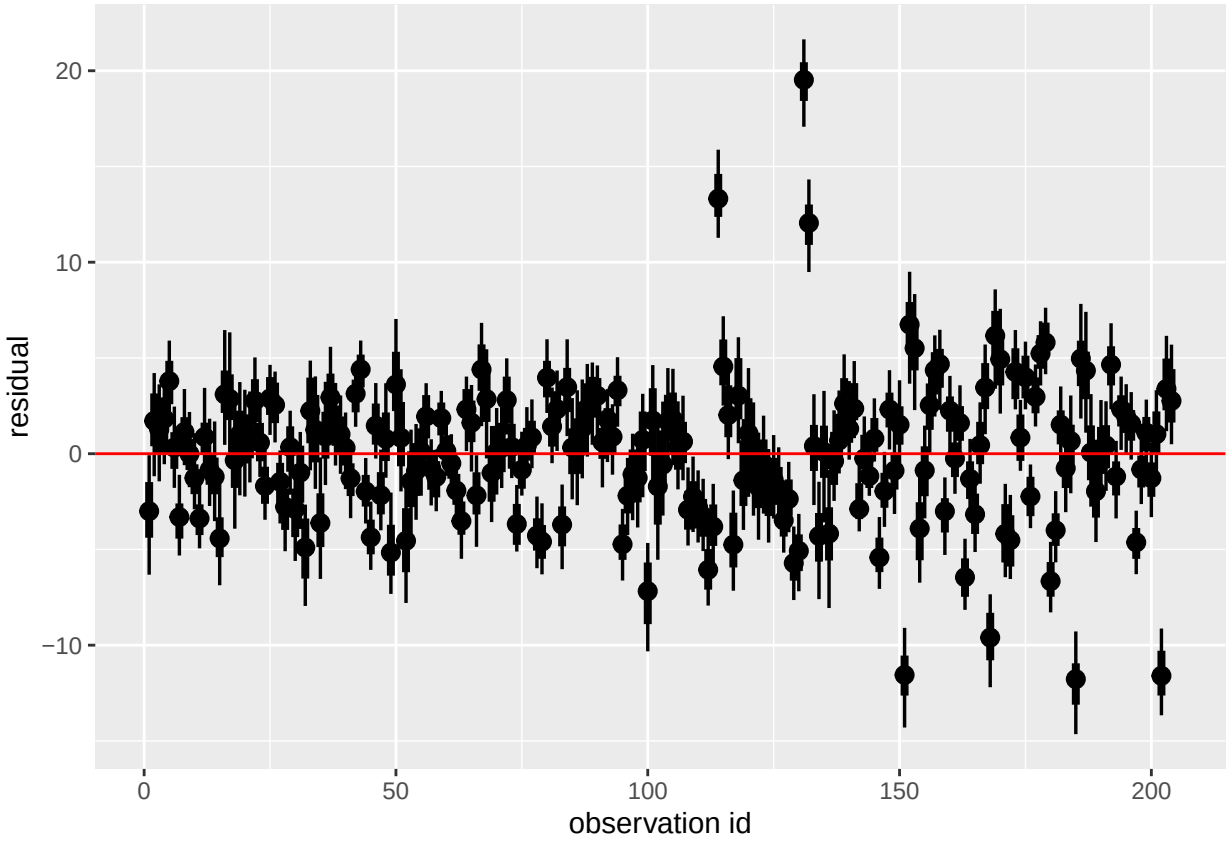
	Point est.	Upper C.I.
r_set:arm[Bass.Harbor.2_B,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.2_C,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.2_D,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.3_A,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.3_B,Intercept]	1.00	1.00
r_set:arm[Bass.Harbor.3_C,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.3_D,Intercept]	1.00	1.01
r_set:arm[Bass.Harbor.1_A,year]	1.00	1.00
r_set:arm[Bass.Harbor.1_B,year]	1.00	1.01
r_set:arm[Bass.Harbor.1_C,year]	1.00	1.00
r_set:arm[Bass.Harbor.1_D,year]	1.00	1.00
r_set:arm[Bass.Harbor.2_A,year]	1.00	1.00
r_set:arm[Bass.Harbor.2_B,year]	1.00	1.00
r_set:arm[Bass.Harbor.2_C,year]	1.00	1.00
r_set:arm[Bass.Harbor.2_D,year]	1.00	1.00
r_set:arm[Bass.Harbor.3_A,year]	1.00	1.00
r_set:arm[Bass.Harbor.3_B,year]	1.00	1.00
r_set:arm[Bass.Harbor.3_C,year]	1.00	1.00
r_set:arm[Bass.Harbor.3_D,year]	1.01	1.01
lp__	1.00	1.00

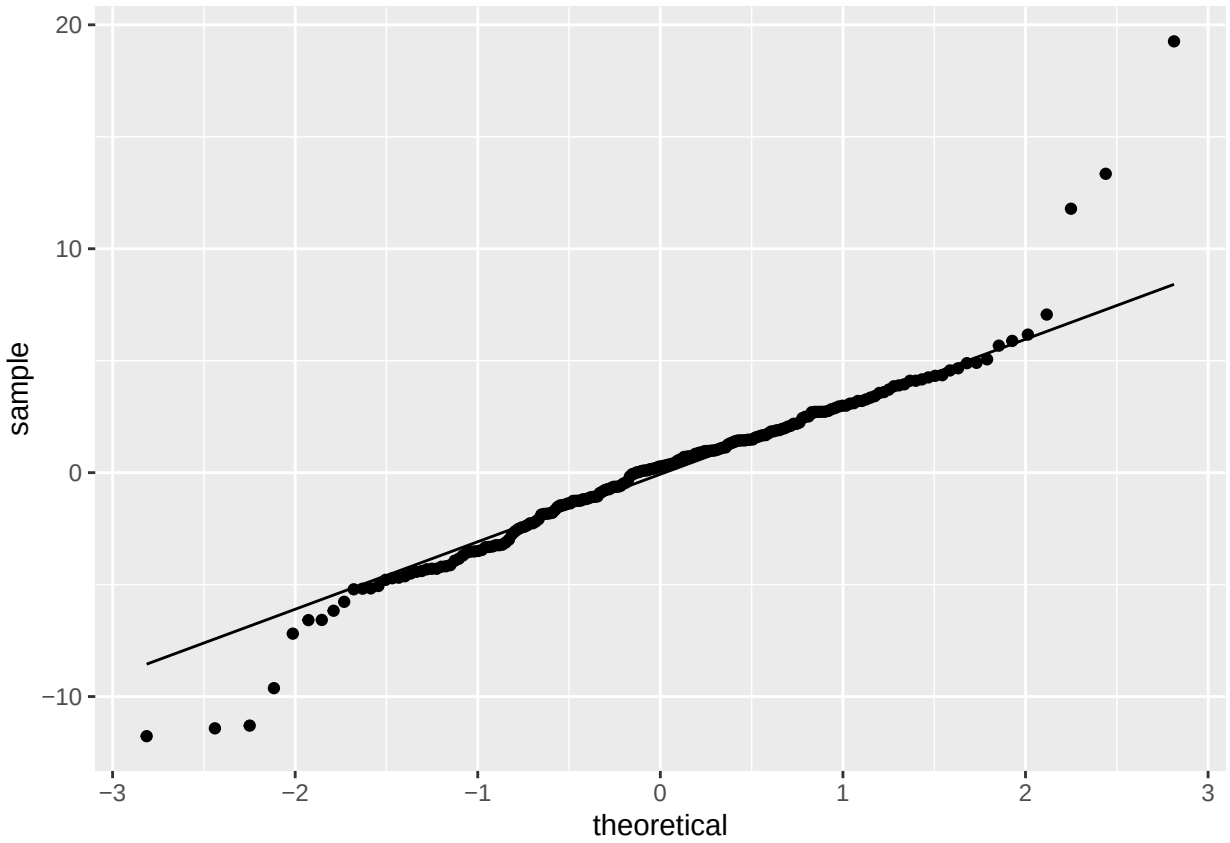
Number of divergences: 0

ACAD: MaineCoastHeritage






20
10
0
−10
residual
0
50
100
150
200
observation id

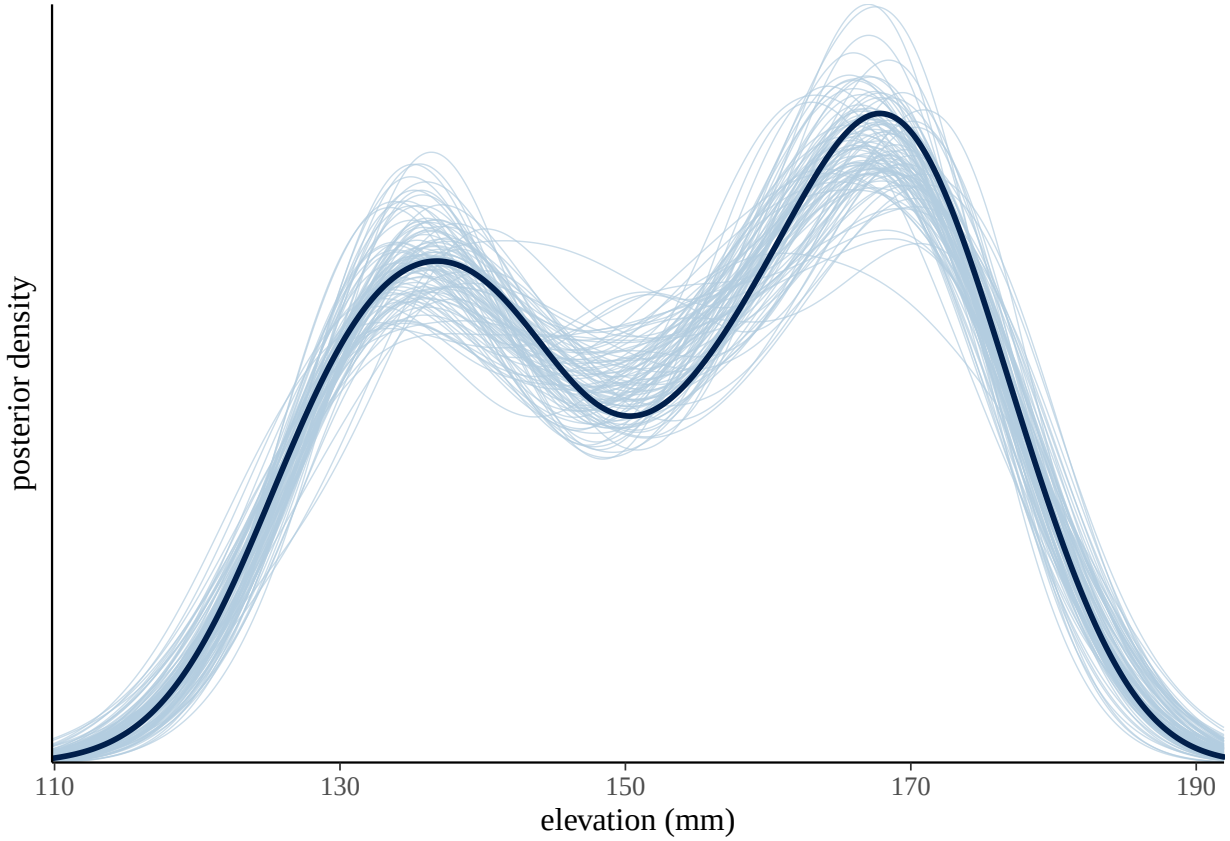


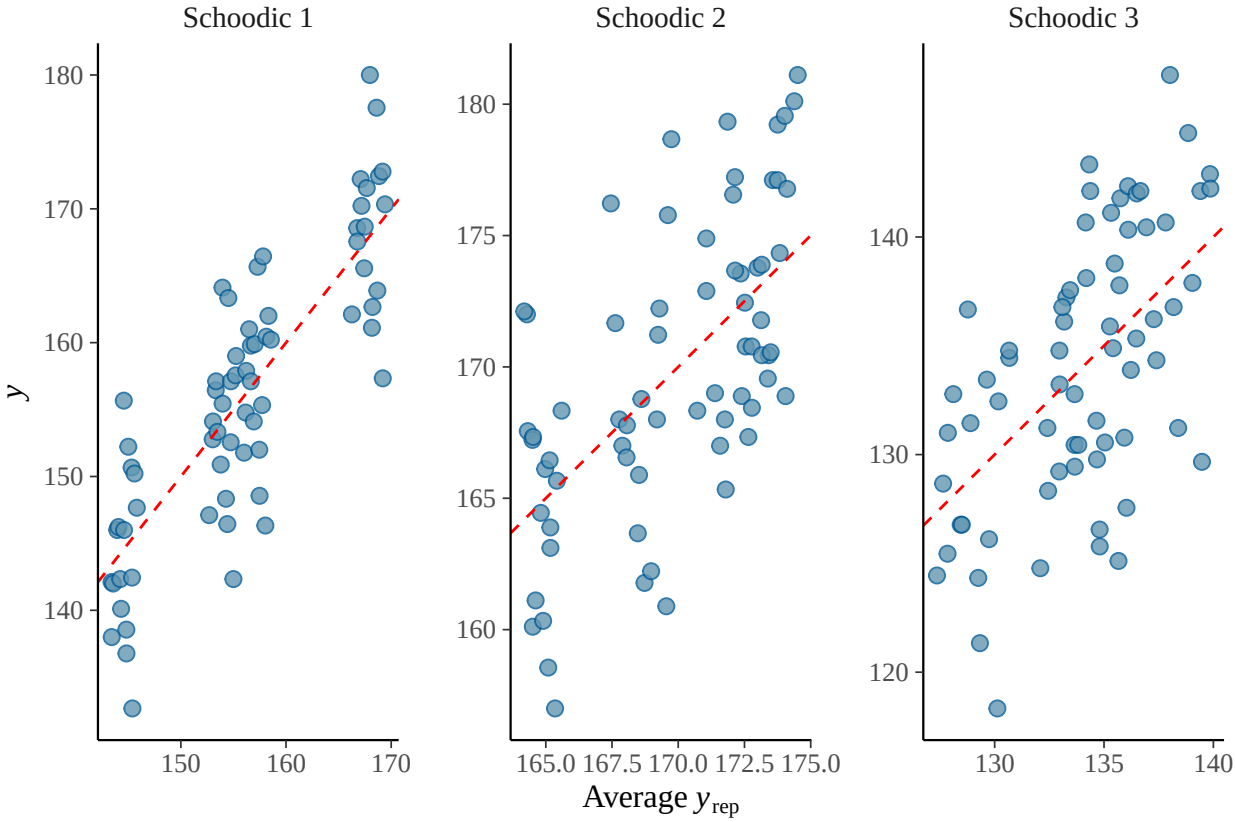
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.01	1.02
sd_set__year	1.00	1.01
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.01	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[MCHT.1,Intercept]	1.01	1.01
r_set[MCHT.2,Intercept]	1.02	1.03
r_set[MCHT.3,Intercept]	1.01	1.01
r_set[MCHT.1,year]	1.00	1.00
r_set[MCHT.2,year]	1.00	1.00
r_set[MCHT.3,year]	1.00	1.00
r_set:arm[MCHT.1_A,Intercept]	1.00	1.01
r_set:arm[MCHT.1_B,Intercept]	1.00	1.01
r_set:arm[MCHT.1_C,Intercept]	1.00	1.00
r_set:arm[MCHT.1_D,Intercept]	1.00	1.00
r_set:arm[MCHT.2_A,Intercept]	1.00	1.01

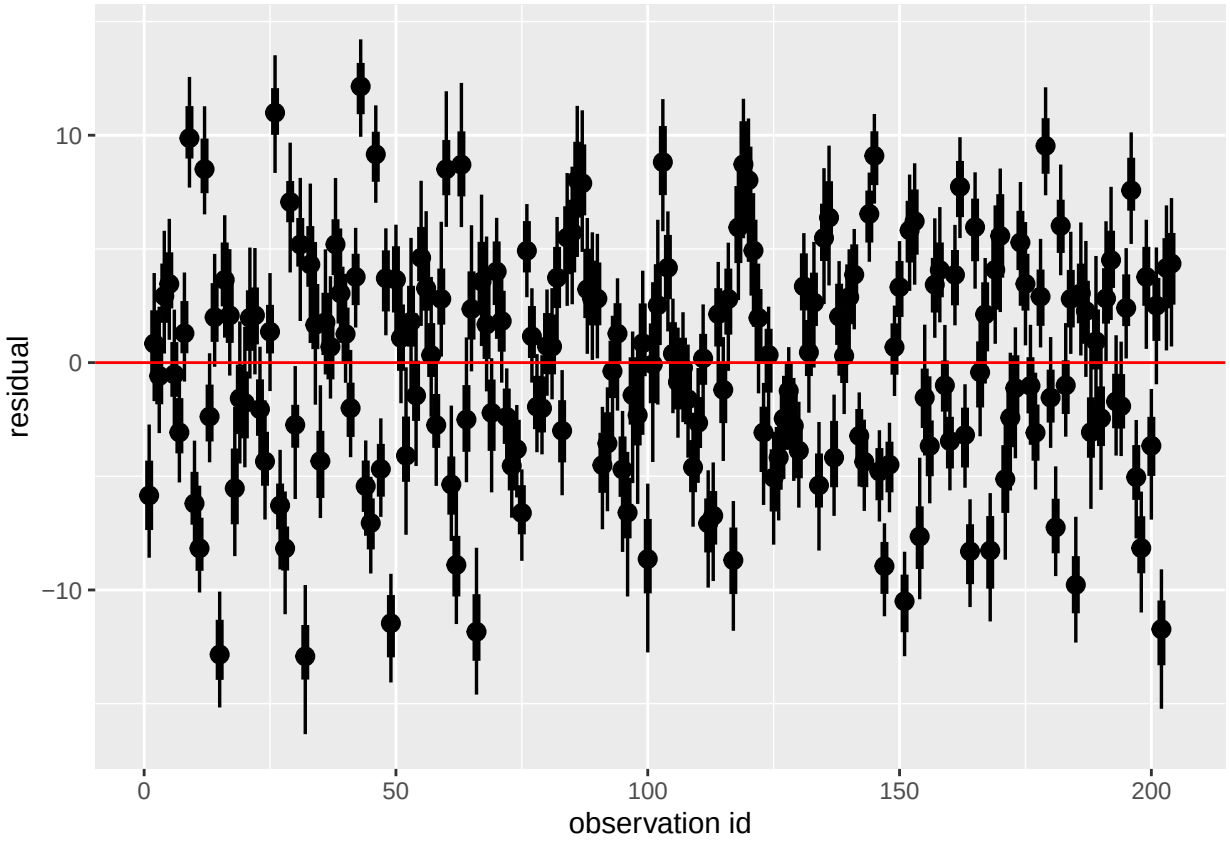
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r_set:arm[MCHT.2_B,Intercept]	1.00	1.01
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r_set:arm[MCHT.2_D,Intercept]	1.00	1.01
r_set:arm[MCHT.3_A,Intercept]	1.00	1.01
r_set:arm[MCHT.3_B,Intercept]	1.00	1.01
r_set:arm[MCHT.3_C,Intercept]	1.00	1.01
r_set:arm[MCHT.3_D,Intercept]	1.00	1.01
r_set:arm[MCHT.1_A,year]	1.00	1.00
r_set:arm[MCHT.1_B,year]	1.00	1.00
r_set:arm[MCHT.1_C,year]	1.00	1.00
r_set:arm[MCHT.1_D,year]	1.00	1.00
r_set:arm[MCHT.2_A,year]	1.00	1.00
r_set:arm[MCHT.2_B,year]	1.00	1.00
r_set:arm[MCHT.2_C,year]	1.00	1.00
r_set:arm[MCHT.2_D,year]	1.00	1.00
r_set:arm[MCHT.3_A,year]	1.00	1.01
r_set:arm[MCHT.3_B,year]	1.00	1.00
r_set:arm[MCHT.3_C,year]	1.00	1.01
r_set:arm[MCHT.3_D,year]	1.00	1.01
lp___	1.01	1.02

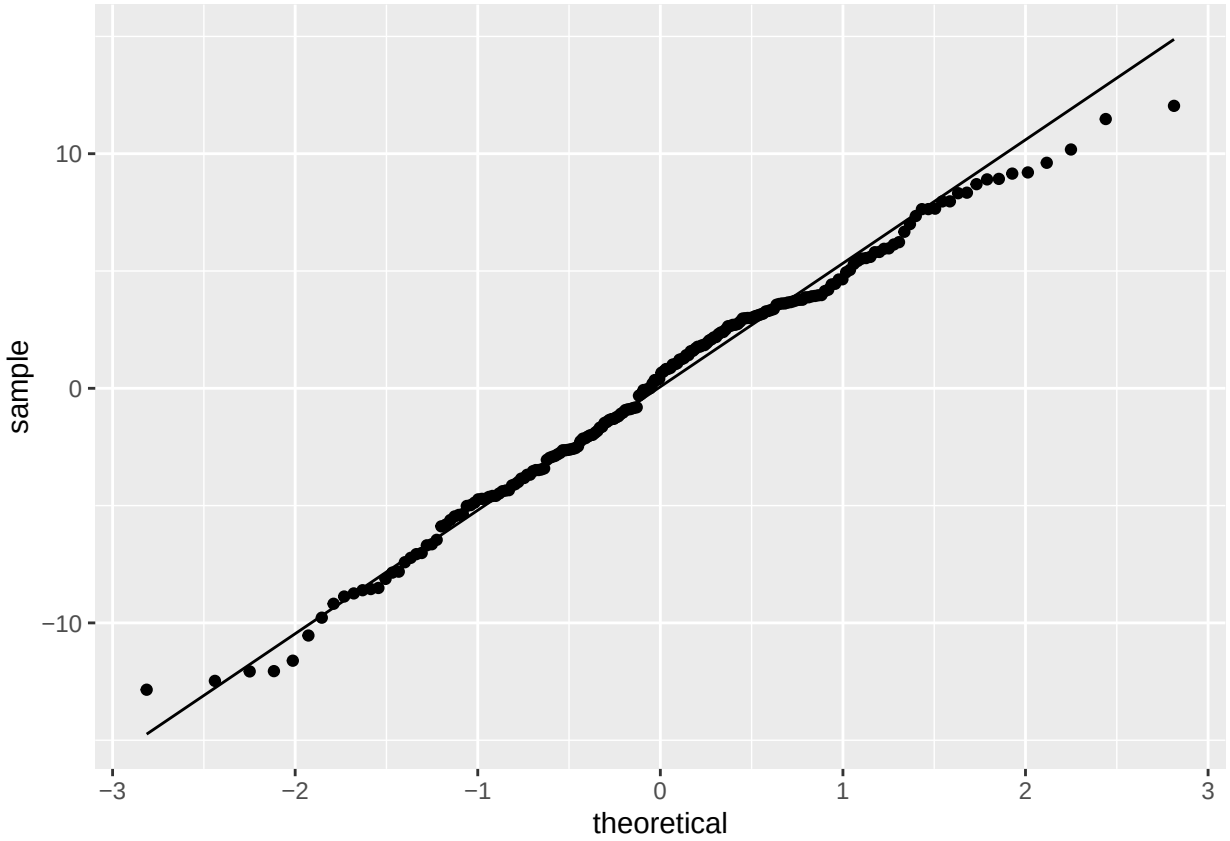
Number of divergences: 1

ACAD: Schoodic






residual
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0
−10
0
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100
150
200
observation id

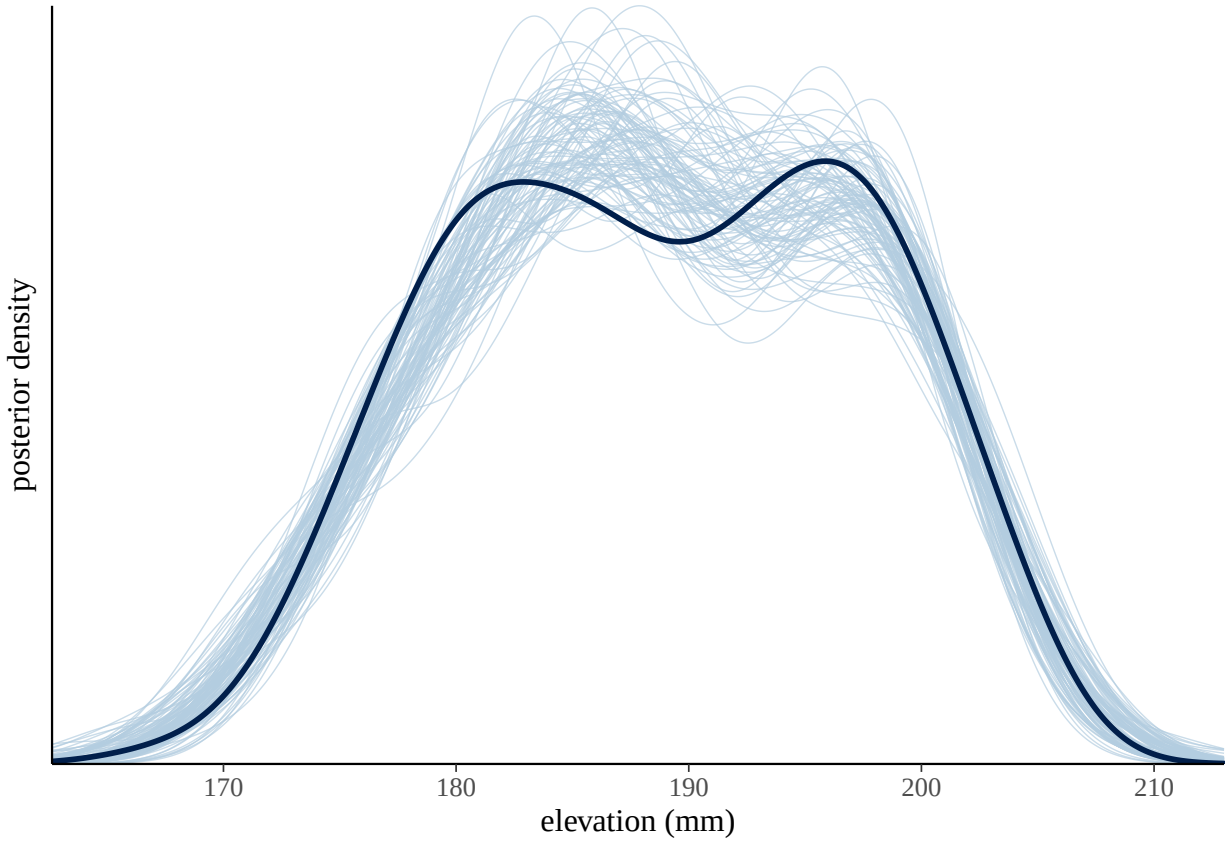


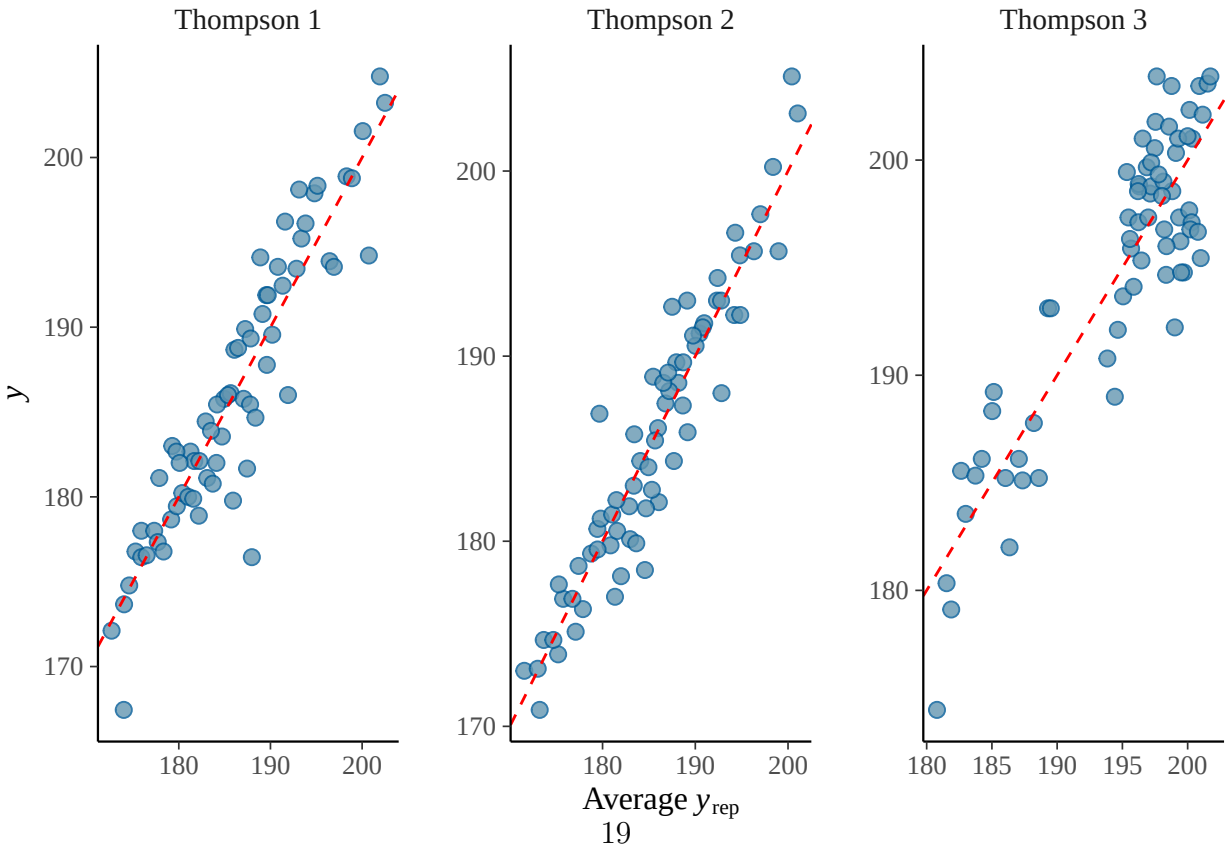
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.01	1.01
sd_set__Intercept	1.01	1.01
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.04	1.07
sd_set:arm__year	1.01	1.02
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.01
r_set[Schoodic.1,Intercept]	1.01	1.01
r_set[Schoodic.2,Intercept]	1.01	1.01
r_set[Schoodic.3,Intercept]	1.01	1.01
r_set[Schoodic.1,year]	1.01	1.01
r_set[Schoodic.2,year]	1.00	1.01
r_set[Schoodic.3,year]	1.01	1.01
r_set:arm[Schoodic.1_A,Intercept]	1.00	1.01
r_set:arm[Schoodic.1_B,Intercept]	1.00	1.00
r_set:arm[Schoodic.1_C,Intercept]	1.00	1.01
r_set:arm[Schoodic.1_D,Intercept]	1.00	1.01
r_set:arm[Schoodic.2_A,Intercept]	1.02	1.04

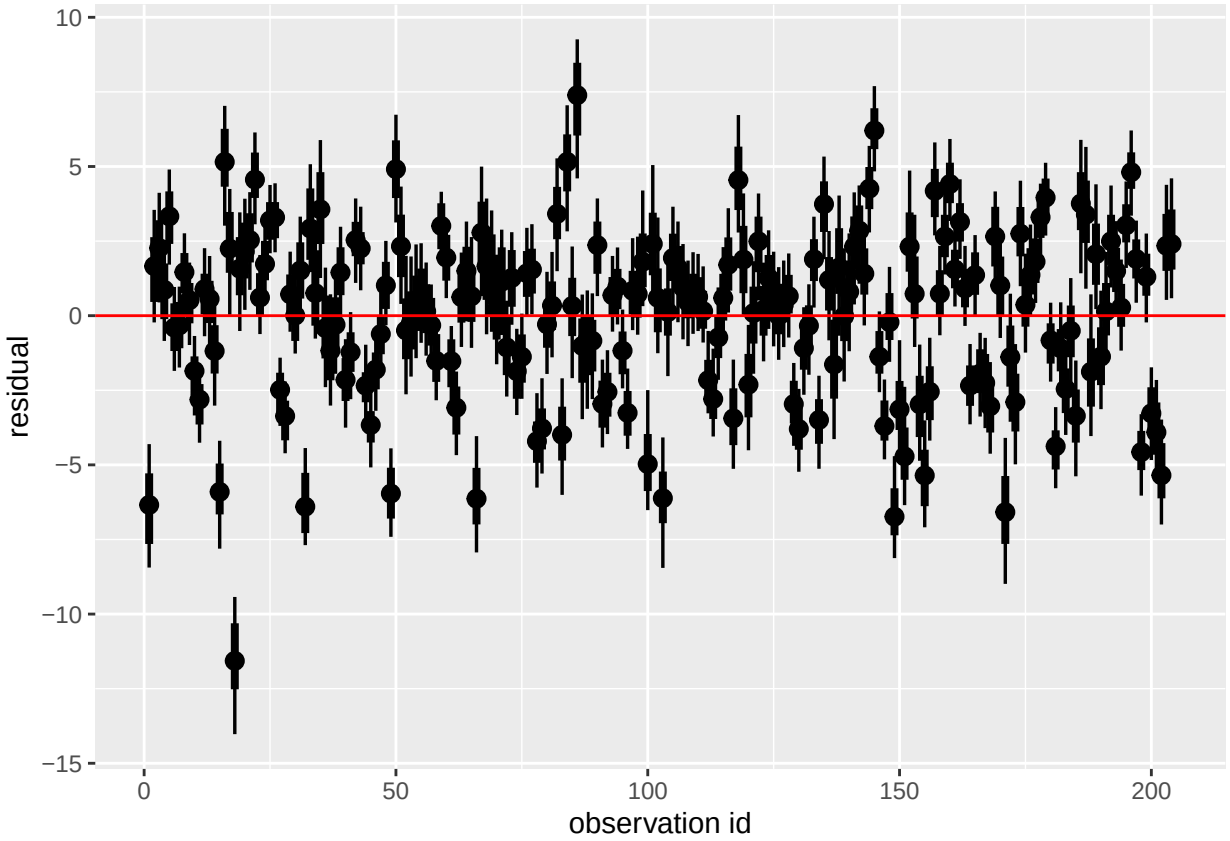
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r_set:arm[Schoodic.2_C,Intercept]	1.02	1.04
r_set:arm[Schoodic.2_D,Intercept]	1.02	1.04
r_set:arm[Schoodic.3_A,Intercept]	1.03	1.05
r_set:arm[Schoodic.3_B,Intercept]	1.03	1.06
r_set:arm[Schoodic.3_C,Intercept]	1.03	1.05
r_set:arm[Schoodic.3_D,Intercept]	1.03	1.06
r_set:arm[Schoodic.1_A,year]	1.00	1.00
r_set:arm[Schoodic.1_B,year]	1.00	1.00
r_set:arm[Schoodic.1_C,year]	1.00	1.00
r_set:arm[Schoodic.1_D,year]	1.00	1.00
r_set:arm[Schoodic.2_A,year]	1.01	1.02
r_set:arm[Schoodic.2_B,year]	1.00	1.01
r_set:arm[Schoodic.2_C,year]	1.00	1.00
r_set:arm[Schoodic.2_D,year]	1.00	1.01
r_set:arm[Schoodic.3_A,year]	1.01	1.01
r_set:arm[Schoodic.3_B,year]	1.00	1.01
r_set:arm[Schoodic.3_C,year]	1.00	1.00
r_set:arm[Schoodic.3_D,year]	1.00	1.00
lp___	1.01	1.05

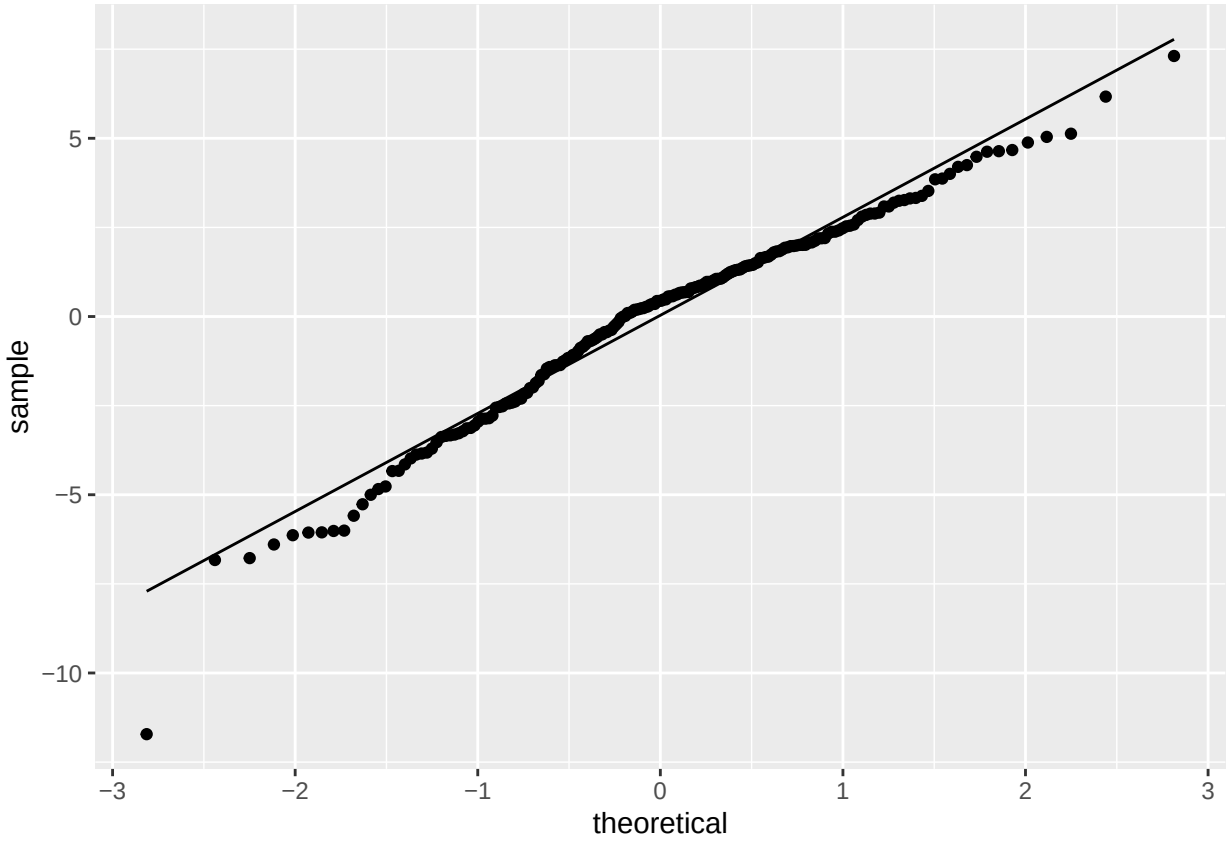
Number of divergences: 1

ACAD: ThompsonIsland






10
5
0
−5
−10
−15
residual
0
50
100
150
200
observation id

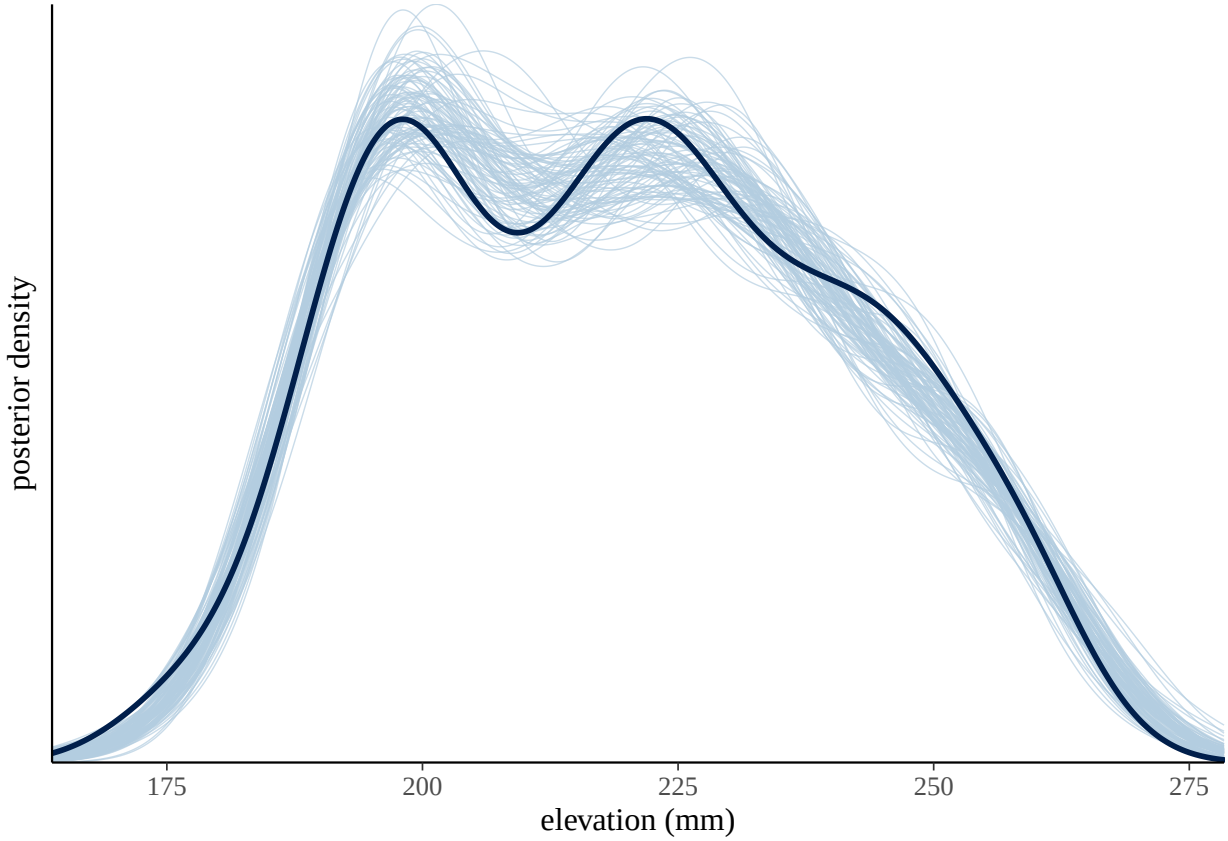


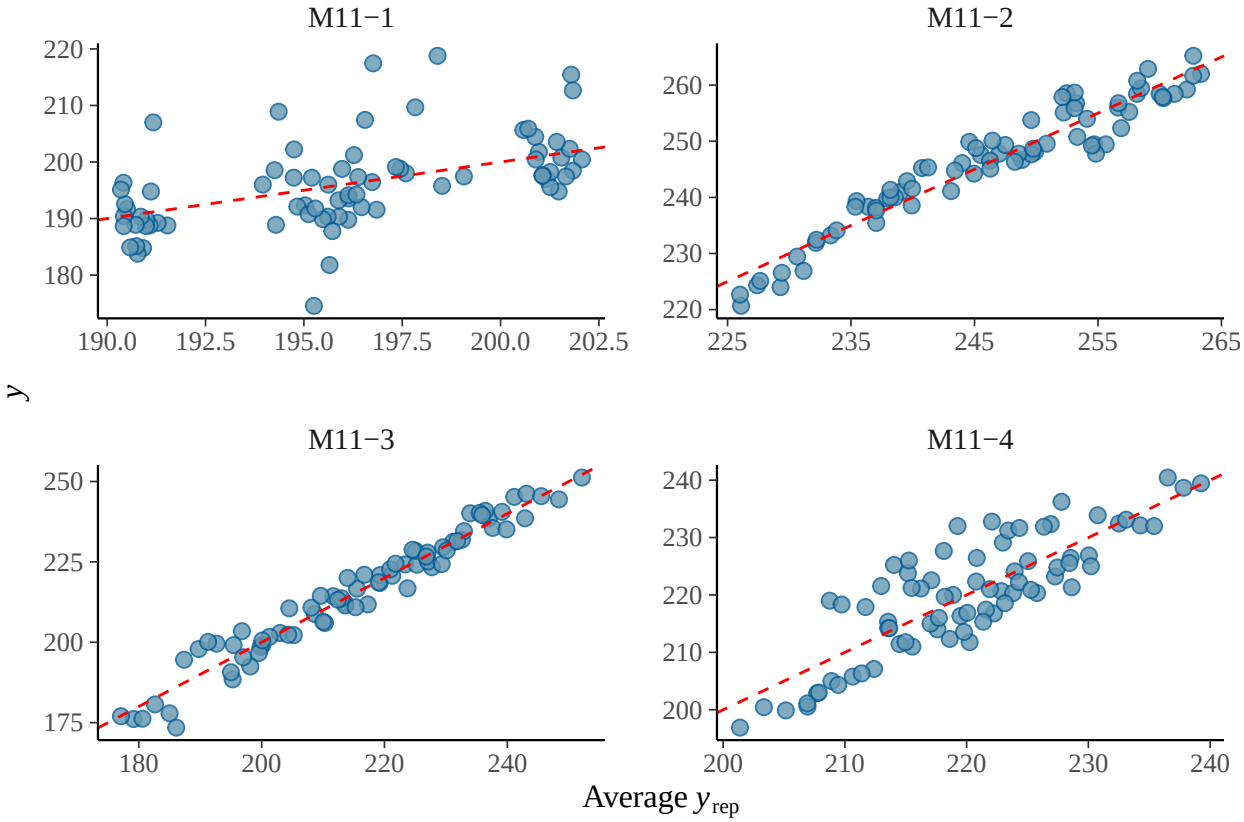
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.01
sd_set__Intercept	1.00	1.01
sd_set__year	1.01	1.02
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Thompson.1,Intercept]	1.00	1.00
r_set[Thompson.2,Intercept]	1.01	1.01
r_set[Thompson.3,Intercept]	1.00	1.00
r_set[Thompson.1,year]	1.00	1.01
r_set[Thompson.2,year]	1.00	1.00
r_set[Thompson.3,year]	1.00	1.01
r_set:arm[Thompson.1_A,Intercept]	1.00	1.01
r_set:arm[Thompson.1_B,Intercept]	1.00	1.01
r_set:arm[Thompson.1_C,Intercept]	1.00	1.01
r_set:arm[Thompson.1_D,Intercept]	1.00	1.01
r_set:arm[Thompson.2_A,Intercept]	1.00	1.02

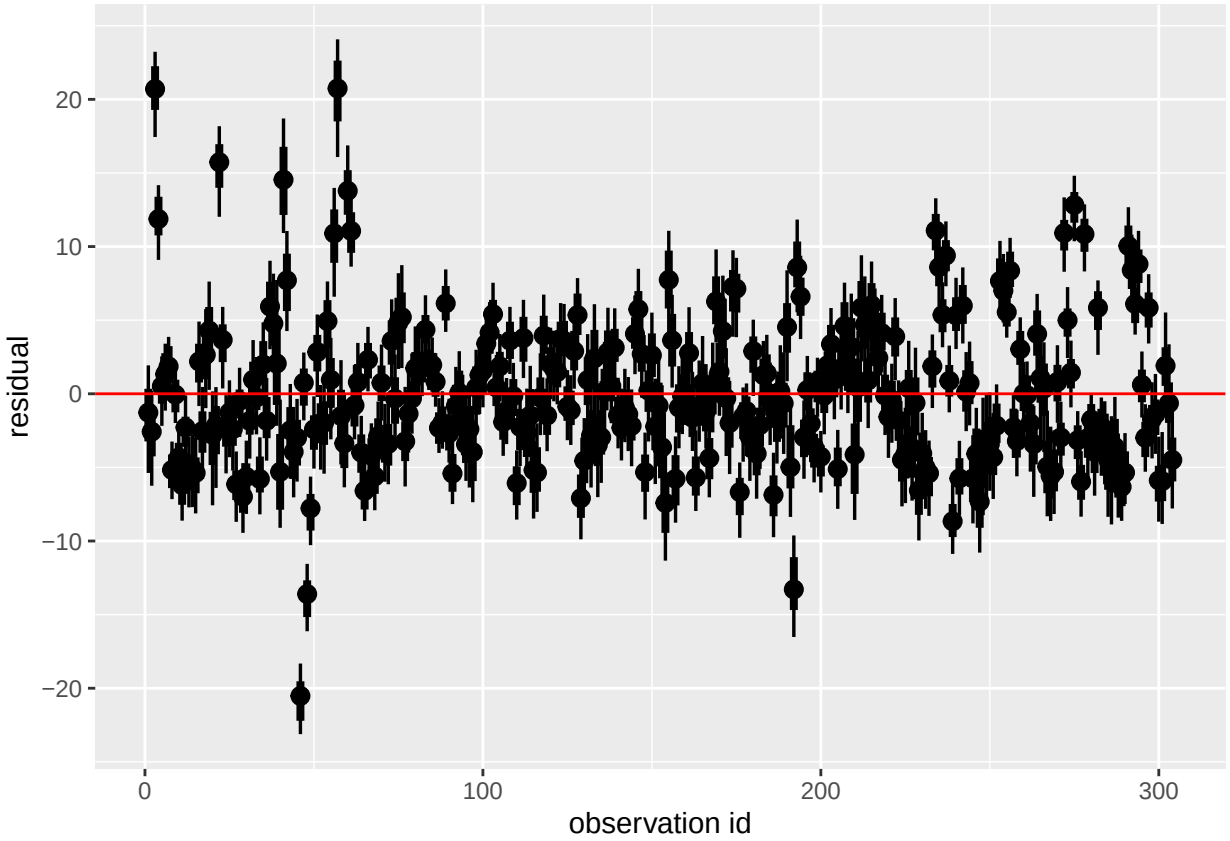
	Point est.	Upper C.I.
r_set:arm[Thompson.2_B,Intercept]	1.01	1.02
r_set:arm[Thompson.2_C,Intercept]	1.01	1.02
r_set:arm[Thompson.2_D,Intercept]	1.01	1.02
r_set:arm[Thompson.3_A,Intercept]	1.00	1.00
r_set:arm[Thompson.3_B,Intercept]	1.00	1.00
r_set:arm[Thompson.3_C,Intercept]	1.00	1.00
r_set:arm[Thompson.3_D,Intercept]	1.00	1.00
r_set:arm[Thompson.1_A,year]	1.00	1.00
r_set:arm[Thompson.1_B,year]	1.00	1.00
r_set:arm[Thompson.1_C,year]	1.00	1.00
r_set:arm[Thompson.1_D,year]	1.00	1.00
r_set:arm[Thompson.2_A,year]	1.00	1.00
r_set:arm[Thompson.2_B,year]	1.00	1.00
r_set:arm[Thompson.2_C,year]	1.00	1.00
r_set:arm[Thompson.2_D,year]	1.00	1.00
r_set:arm[Thompson.3_A,year]	1.00	1.00
r_set:arm[Thompson.3_B,year]	1.00	1.00
r_set:arm[Thompson.3_C,year]	1.00	1.00
r_set:arm[Thompson.3_D,year]	1.00	1.00
lp___	1.00	1.00

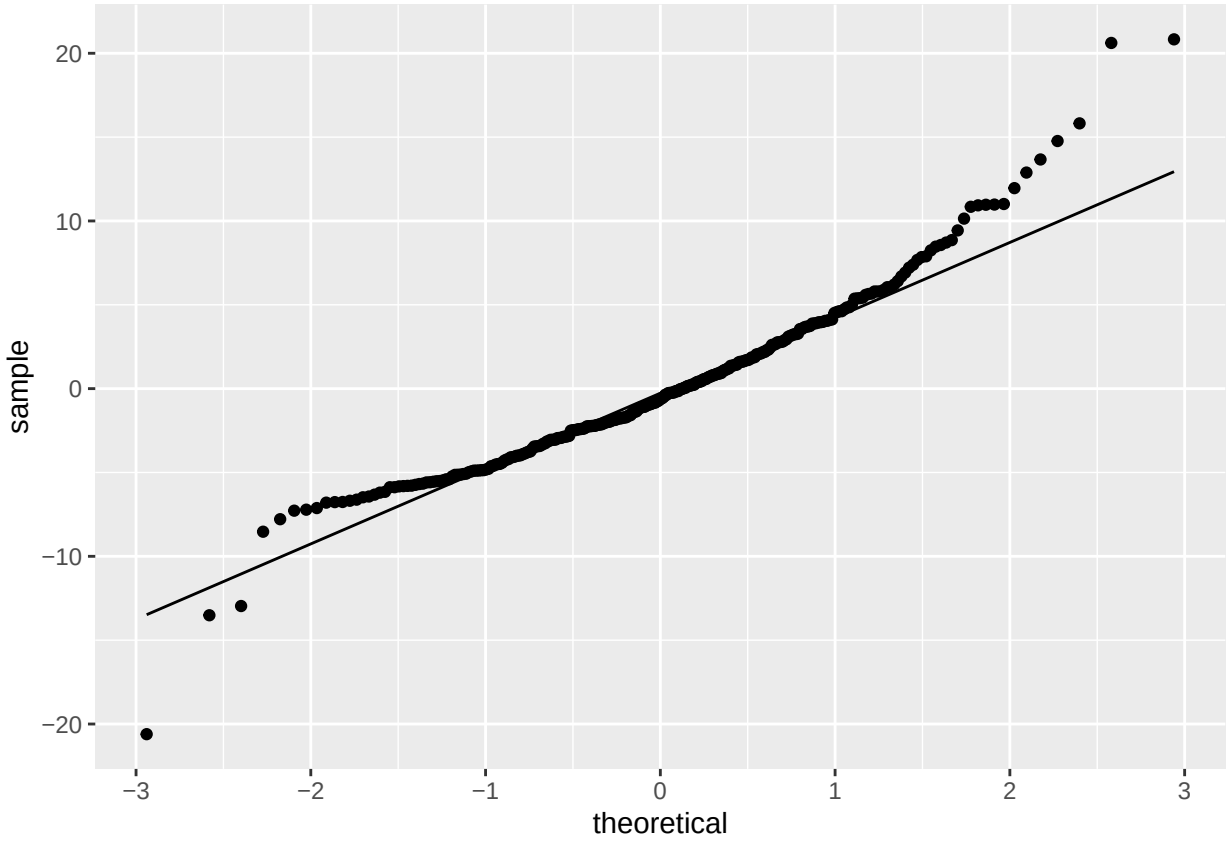
Number of divergences: 1

ASIS: Marsh11






residual
20
10
0
−10
−20
0
100
200
300
observation id

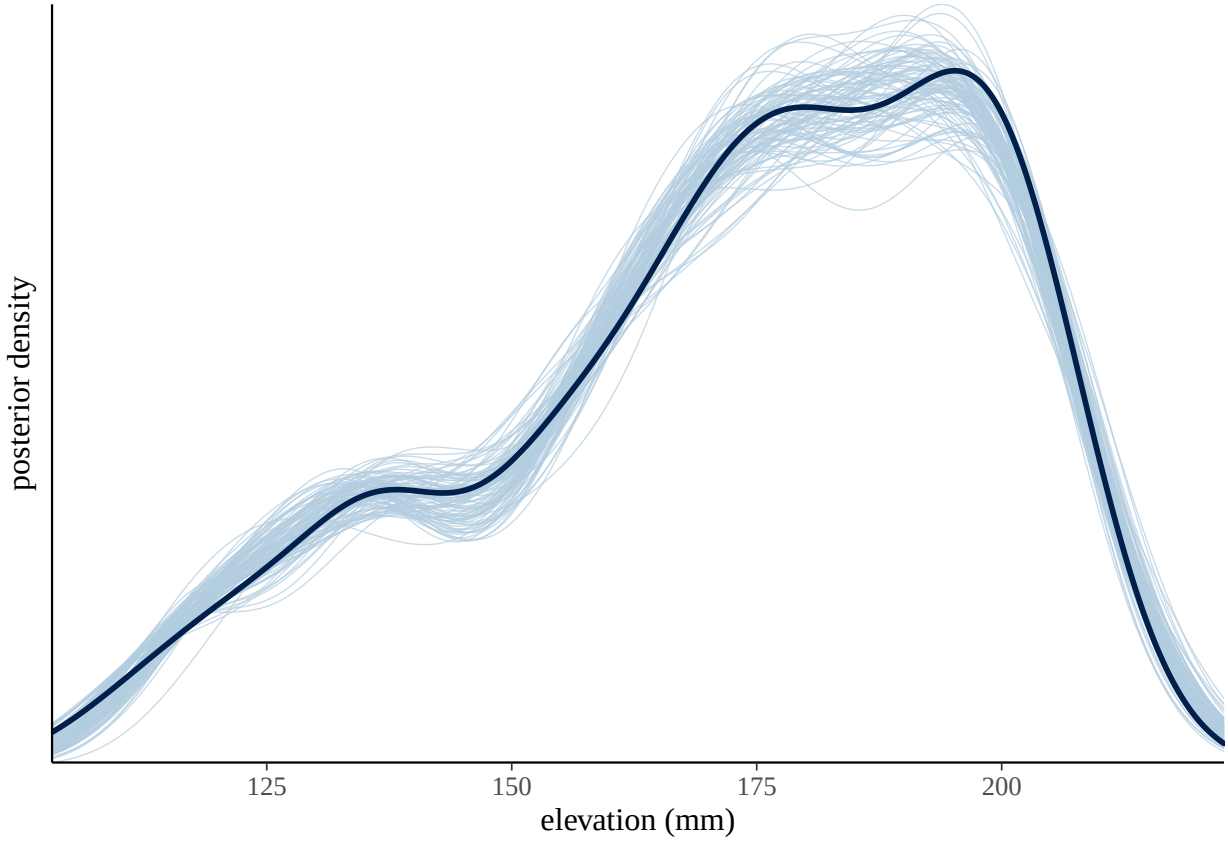


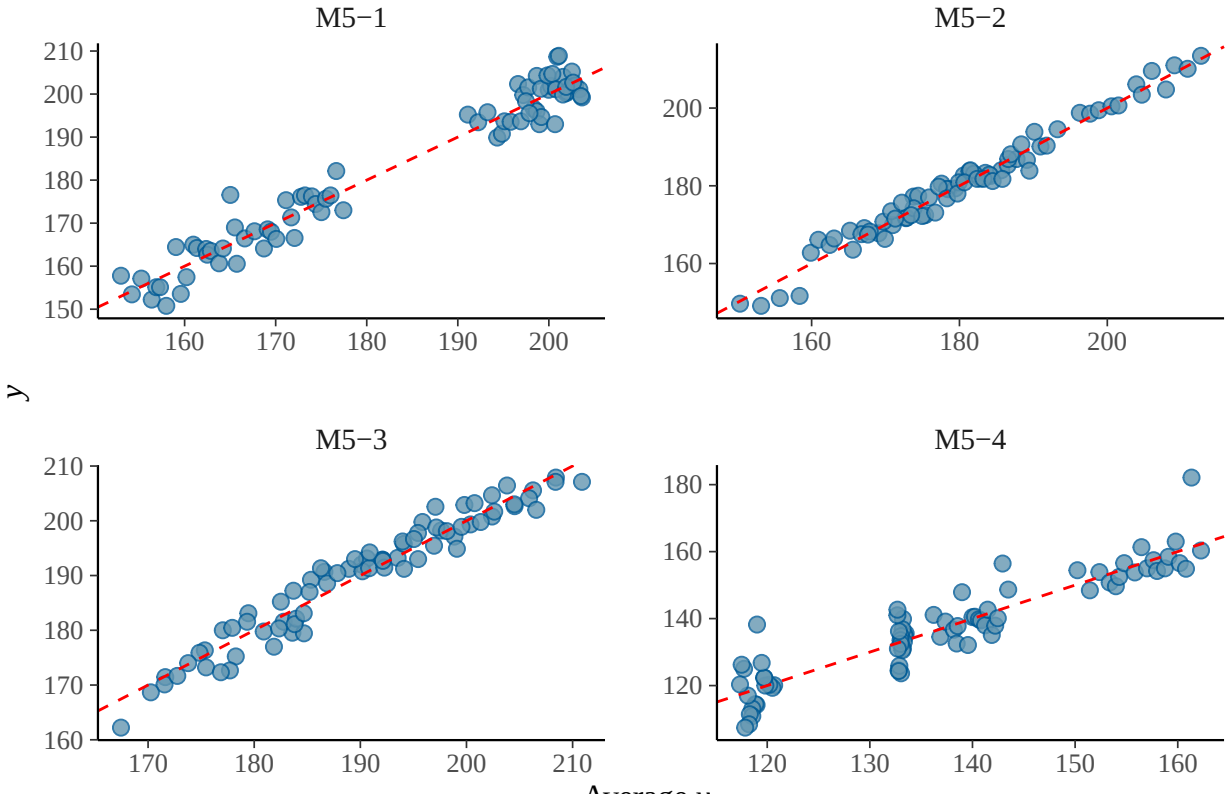
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.01	1.03
sd_set__Intercept	1.01	1.01
sd_set__year	1.01	1.02
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[M11-1,Intercept]	1.01	1.01
r_set[M11-2,Intercept]	1.00	1.01
r_set[M11-3,Intercept]	1.01	1.01
r_set[M11-4,Intercept]	1.01	1.01
r_set[M11-1,year]	1.01	1.03
r_set[M11-2,year]	1.01	1.03
r_set[M11-3,year]	1.01	1.03
r_set[M11-4,year]	1.01	1.03
r_set:arm[M11-1_A,Intercept]	1.00	1.00
r_set:arm[M11-1_B,Intercept]	1.00	1.00
r_set:arm[M11-1_C,Intercept]	1.00	1.00

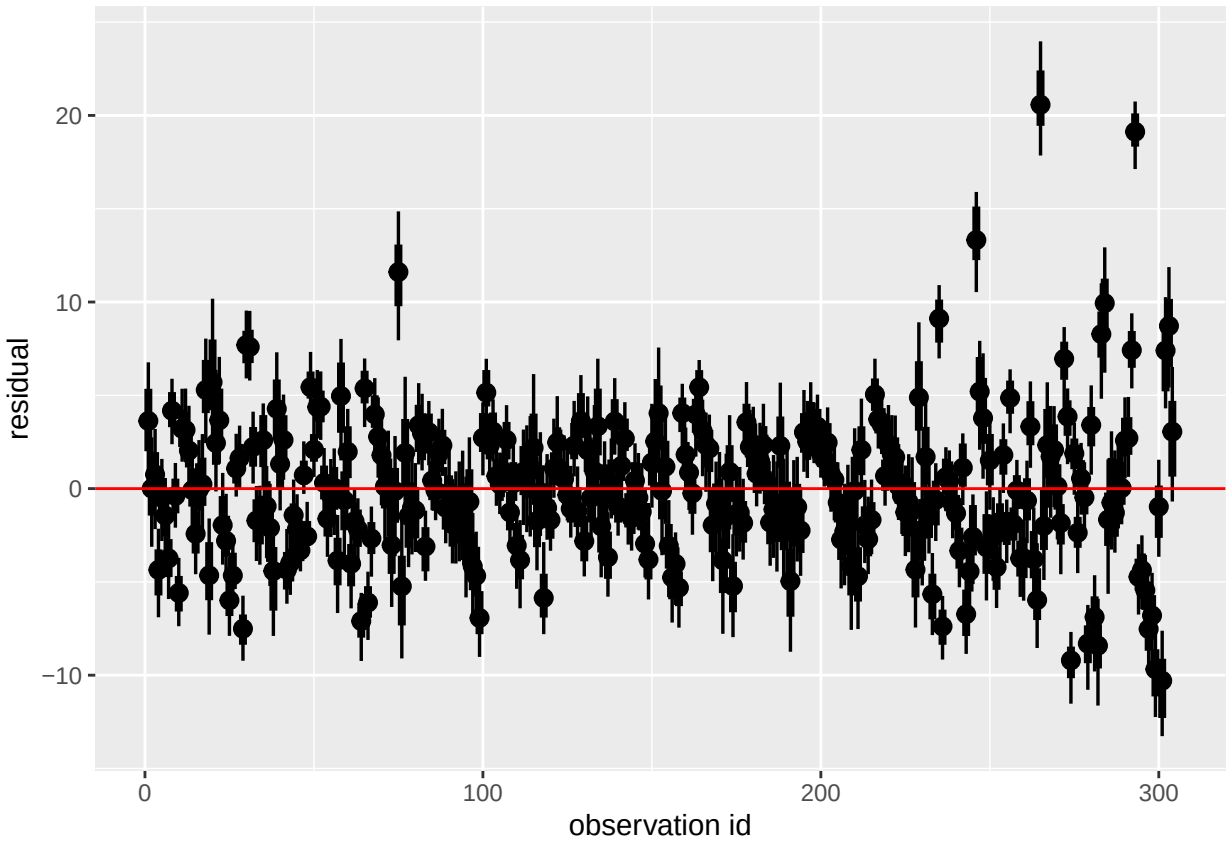
	Point est.	Upper C.I.
r_set:arm[M11-1_D,Intercept]	1.00	1.00
r_set:arm[M11-2_A,Intercept]	1.00	1.00
r_set:arm[M11-2_B,Intercept]	1.00	1.00
r_set:arm[M11-2_C,Intercept]	1.00	1.00
r_set:arm[M11-2_D,Intercept]	1.00	1.00
r_set:arm[M11-3_A,Intercept]	1.00	1.01
r_set:arm[M11-3_B,Intercept]	1.00	1.01
r_set:arm[M11-3_C,Intercept]	1.00	1.01
r_set:arm[M11-3_D,Intercept]	1.00	1.00
r_set:arm[M11-4_A,Intercept]	1.00	1.00
r_set:arm[M11-4_B,Intercept]	1.00	1.01
r_set:arm[M11-4_C,Intercept]	1.00	1.01
r_set:arm[M11-4_D,Intercept]	1.00	1.01
r_set:arm[M11-1_A,year]	1.00	1.00
r_set:arm[M11-1_B,year]	1.00	1.00
r_set:arm[M11-1_C,year]	1.00	1.00
r_set:arm[M11-1_D,year]	1.00	1.00
r_set:arm[M11-2_A,year]	1.00	1.00
r_set:arm[M11-2_B,year]	1.00	1.00
r_set:arm[M11-2_C,year]	1.00	1.00
r_set:arm[M11-2_D,year]	1.00	1.00
r_set:arm[M11-3_A,year]	1.00	1.00
r_set:arm[M11-3_B,year]	1.00	1.00
r_set:arm[M11-3_C,year]	1.00	1.00
r_set:arm[M11-3_D,year]	1.00	1.00
r_set:arm[M11-4_A,year]	1.00	1.00
r_set:arm[M11-4_B,year]	1.00	1.00
r_set:arm[M11-4_C,year]	1.00	1.00
r_set:arm[M11-4_D,year]	1.00	1.00
lp___	1.00	1.01

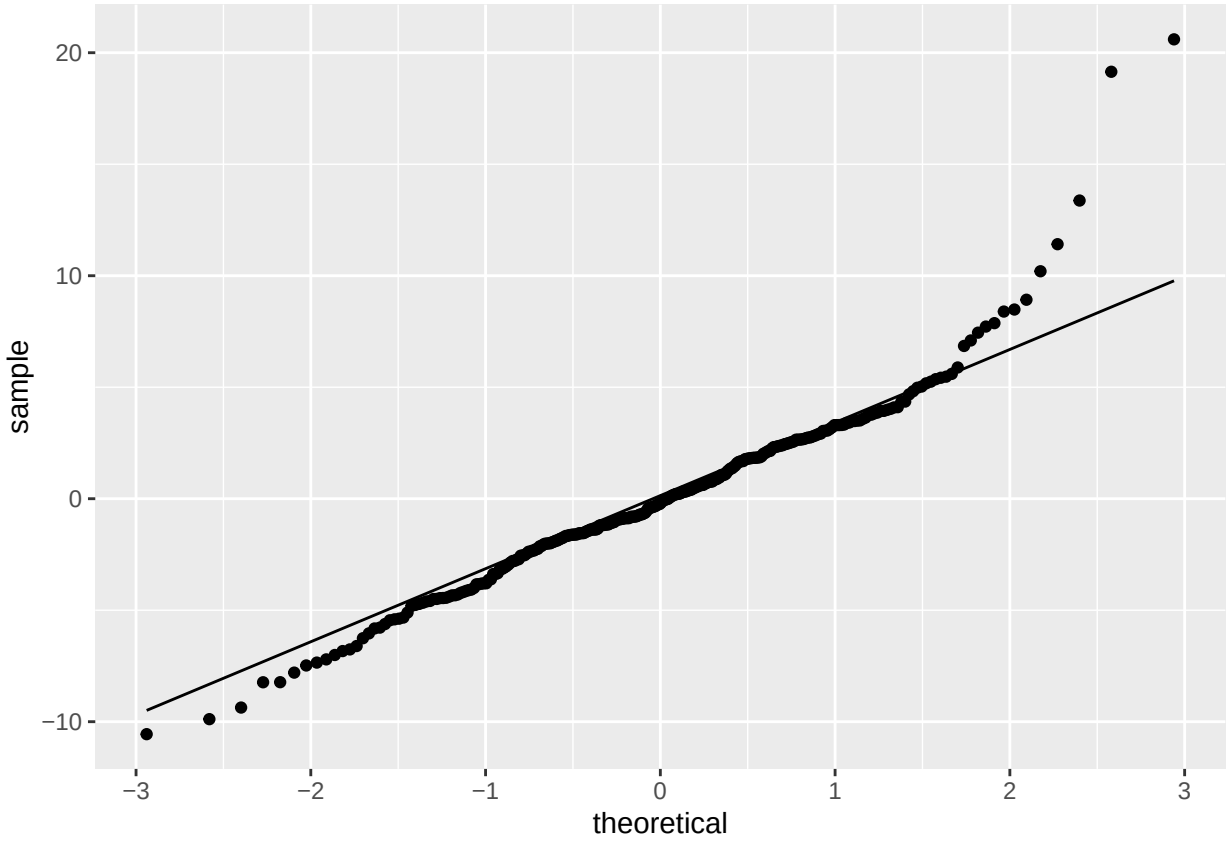
Number of divergences: 0

ASIS: Marsh5


posterior density
125
150
175
200
elevation (mm)


M5−1
M5−2
M5−3
M5−4
y
Average y_{rep}


residual
20
10
0
−10
0
100
200
300
observation id

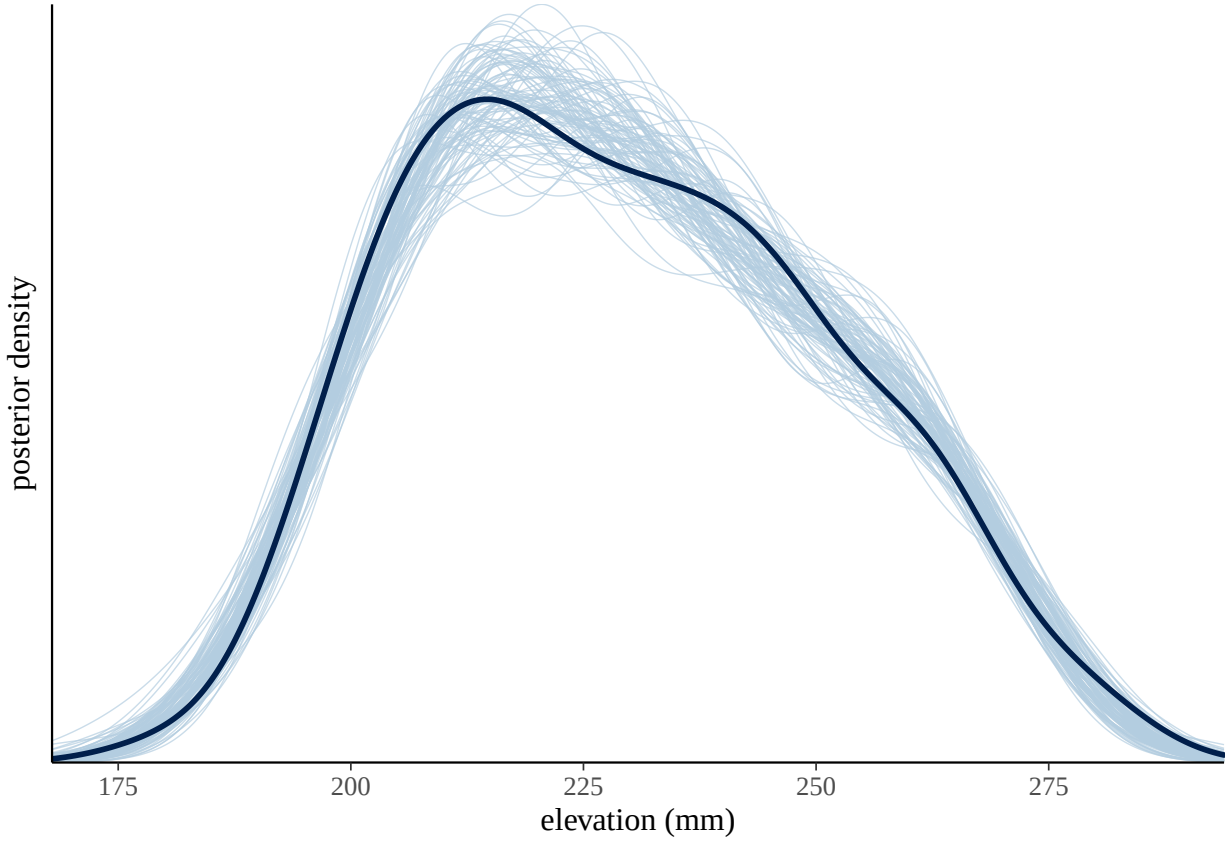


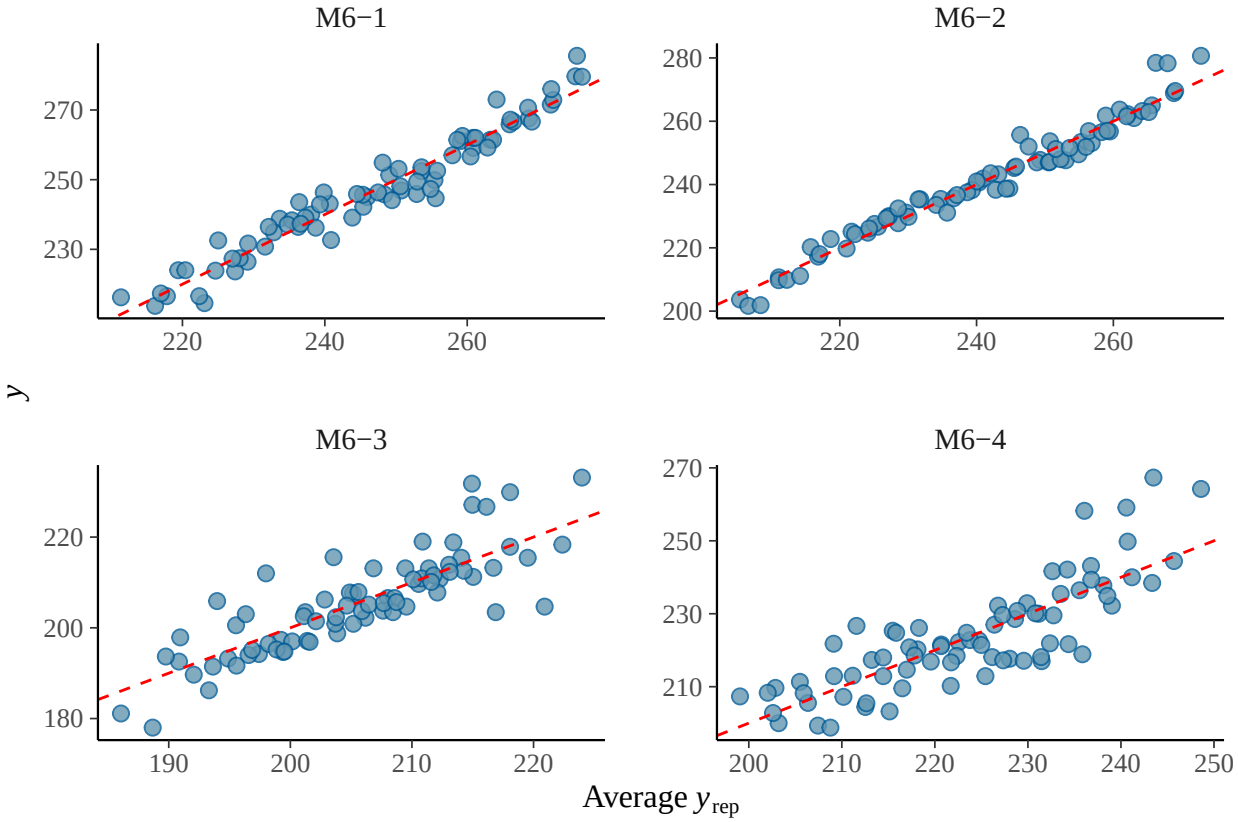
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.00	1.01
sd_set__Intercept	1.01	1.02
sd_set__year	1.01	1.02
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[M5-1,Intercept]	1.01	1.02
r_set[M5-2,Intercept]	1.00	1.01
r_set[M5-3,Intercept]	1.01	1.02
r_set[M5-4,Intercept]	1.01	1.03
r_set[M5-1,year]	1.00	1.01
r_set[M5-2,year]	1.00	1.00
r_set[M5-3,year]	1.00	1.00
r_set[M5-4,year]	1.00	1.01
r_set:arm[M5-1_A,Intercept]	1.00	1.01
r_set:arm[M5-1_B,Intercept]	1.00	1.01
r_set:arm[M5-1_C,Intercept]	1.00	1.01

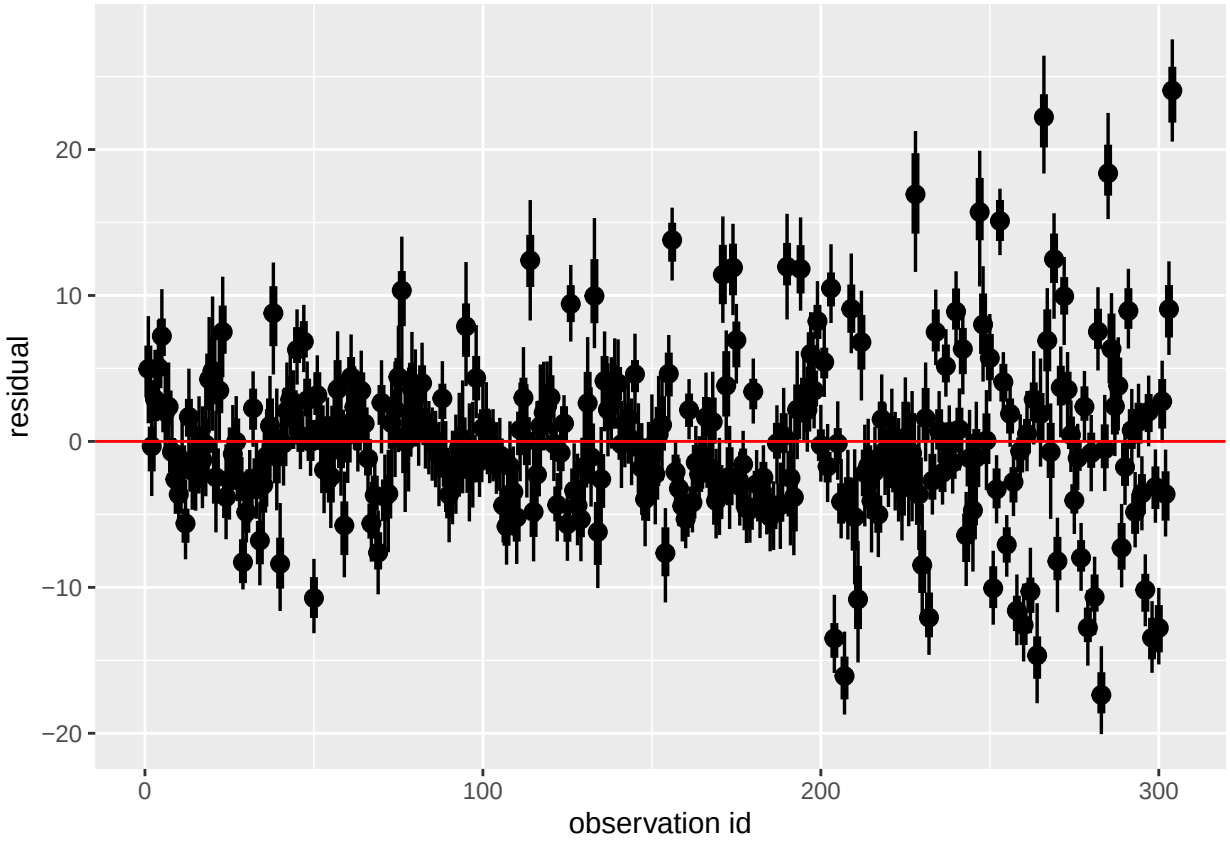
	Point est.	Upper C.I.
r_set:arm[M5-1_D,Intercept]	1.00	1.01
r_set:arm[M5-2_A,Intercept]	1.00	1.00
r_set:arm[M5-2_B,Intercept]	1.00	1.00
r_set:arm[M5-2_C,Intercept]	1.00	1.00
r_set:arm[M5-2_D,Intercept]	1.00	1.00
r_set:arm[M5-3_A,Intercept]	1.01	1.02
r_set:arm[M5-3_B,Intercept]	1.00	1.01
r_set:arm[M5-3_C,Intercept]	1.01	1.02
r_set:arm[M5-3_D,Intercept]	1.01	1.02
r_set:arm[M5-4_A,Intercept]	1.01	1.02
r_set:arm[M5-4_B,Intercept]	1.01	1.02
r_set:arm[M5-4_C,Intercept]	1.01	1.02
r_set:arm[M5-4_D,Intercept]	1.01	1.02
r_set:arm[M5-1_A,year]	1.00	1.01
r_set:arm[M5-1_B,year]	1.00	1.00
r_set:arm[M5-1_C,year]	1.00	1.01
r_set:arm[M5-1_D,year]	1.00	1.01
r_set:arm[M5-2_A,year]	1.00	1.01
r_set:arm[M5-2_B,year]	1.00	1.01
r_set:arm[M5-2_C,year]	1.00	1.01
r_set:arm[M5-2_D,year]	1.00	1.01
r_set:arm[M5-3_A,year]	1.00	1.01
r_set:arm[M5-3_B,year]	1.00	1.01
r_set:arm[M5-3_C,year]	1.00	1.00
r_set:arm[M5-3_D,year]	1.00	1.00
r_set:arm[M5-4_A,year]	1.00	1.00
r_set:arm[M5-4_B,year]	1.00	1.00
r_set:arm[M5-4_C,year]	1.00	1.00
r_set:arm[M5-4_D,year]	1.00	1.00
lp___	1.00	1.00

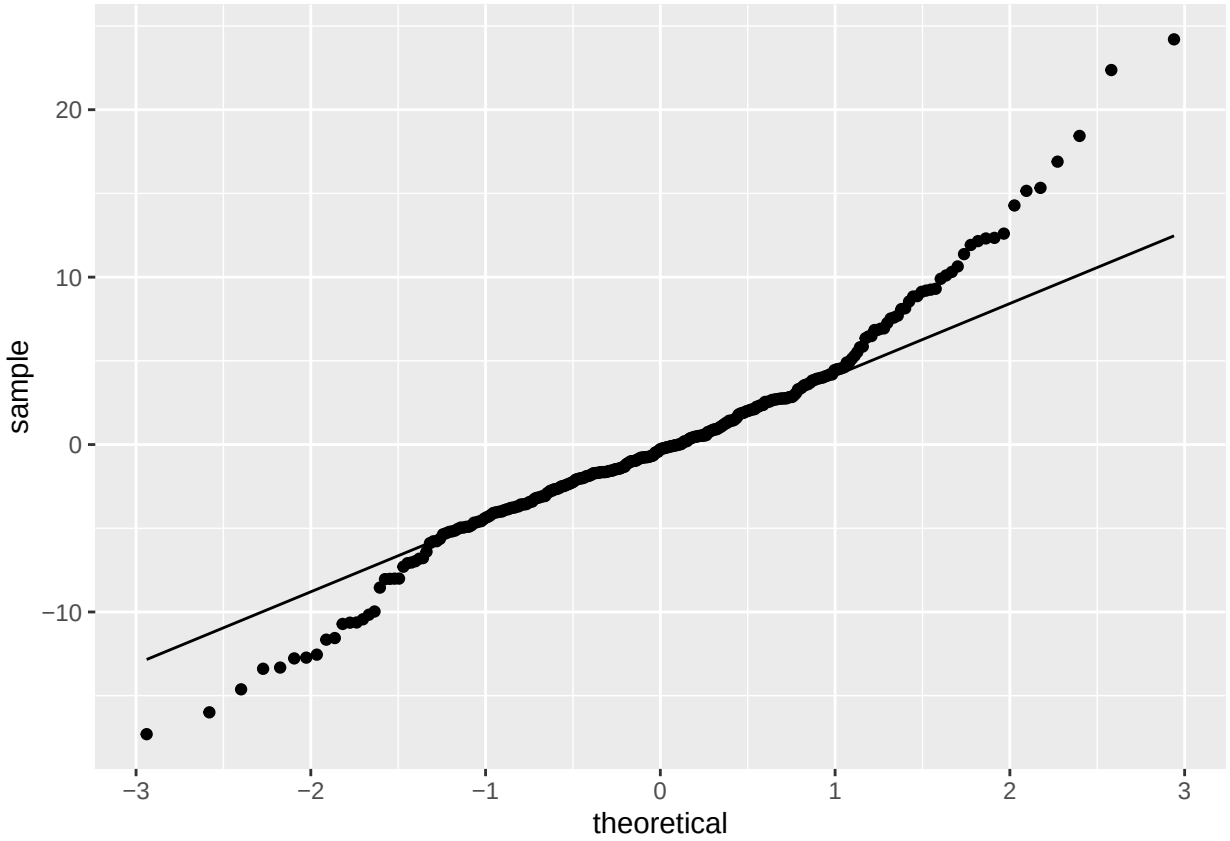
Number of divergences: 1

ASIS: Marsh6


posterior density
175
200
225
250
275
elevation (mm)


M6−1
M6−2
M6−3
M6−4
y
Average y_{rep}


residual
20
10
0
−10
−20
0
100
200
300
observation id

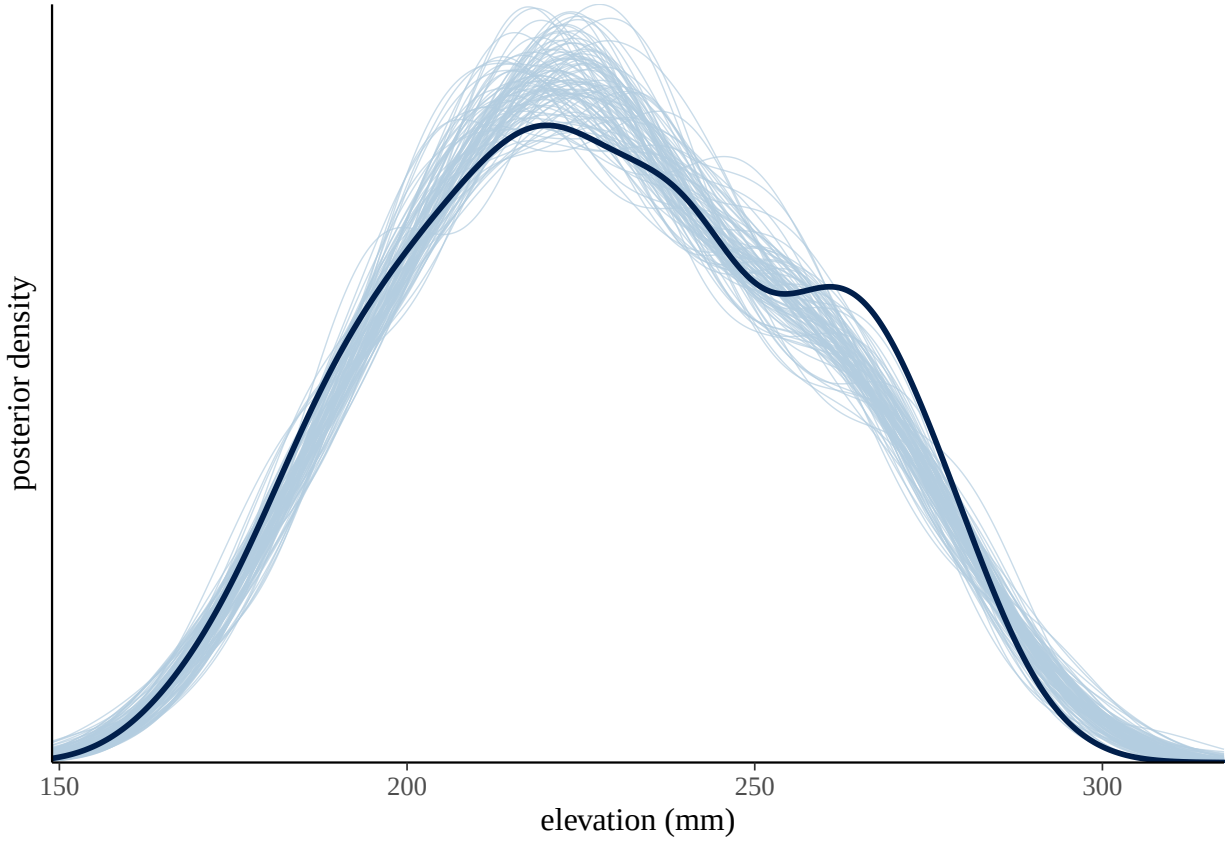


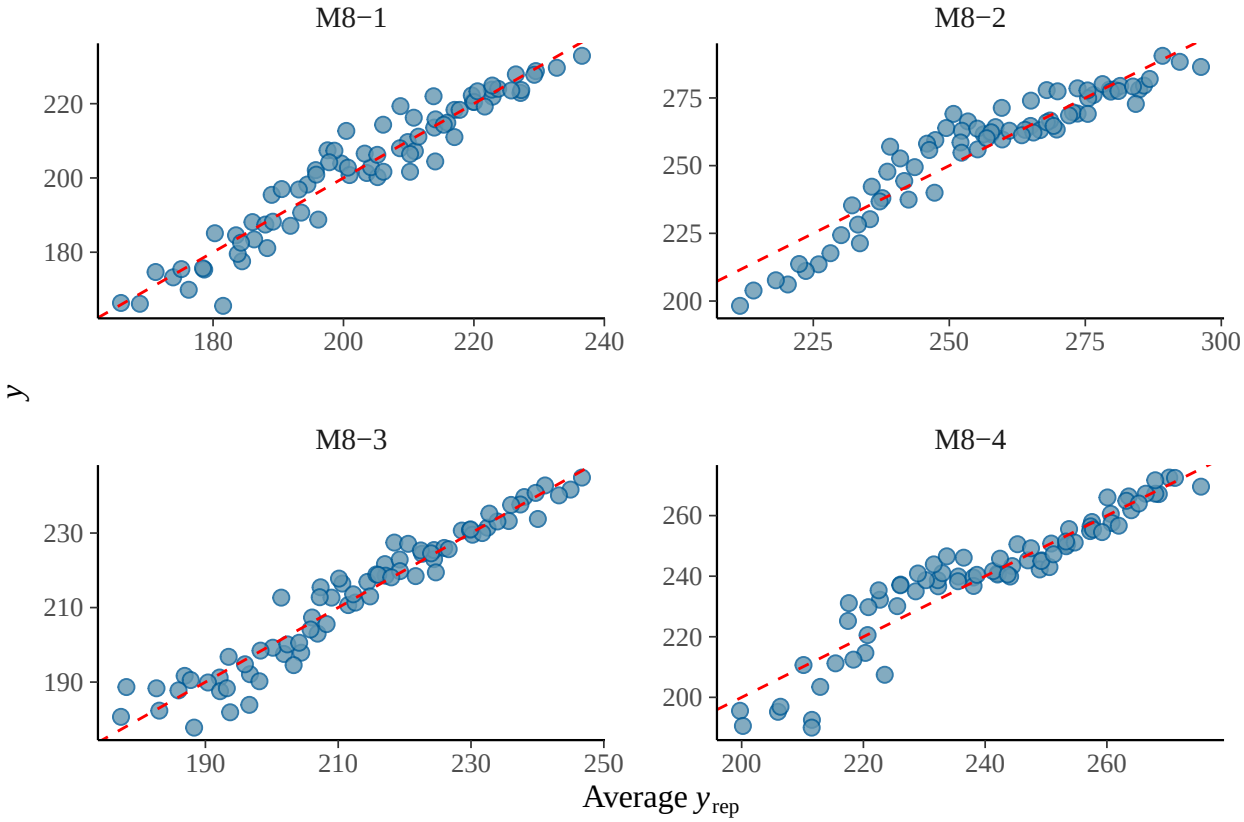
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.01	1.02
sd_set__Intercept	1.00	1.00
sd_set__year	1.00	1.00
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[M6-1,Intercept]	1.00	1.01
r_set[M6-2,Intercept]	1.00	1.01
r_set[M6-3,Intercept]	1.00	1.01
r_set[M6-4,Intercept]	1.01	1.01
r_set[M6-1,year]	1.01	1.03
r_set[M6-2,year]	1.01	1.03
r_set[M6-3,year]	1.01	1.02
r_set[M6-4,year]	1.01	1.02
r_set:arm[M6-1_A,Intercept]	1.00	1.01
r_set:arm[M6-1_B,Intercept]	1.00	1.00
r_set:arm[M6-1_C,Intercept]	1.00	1.00

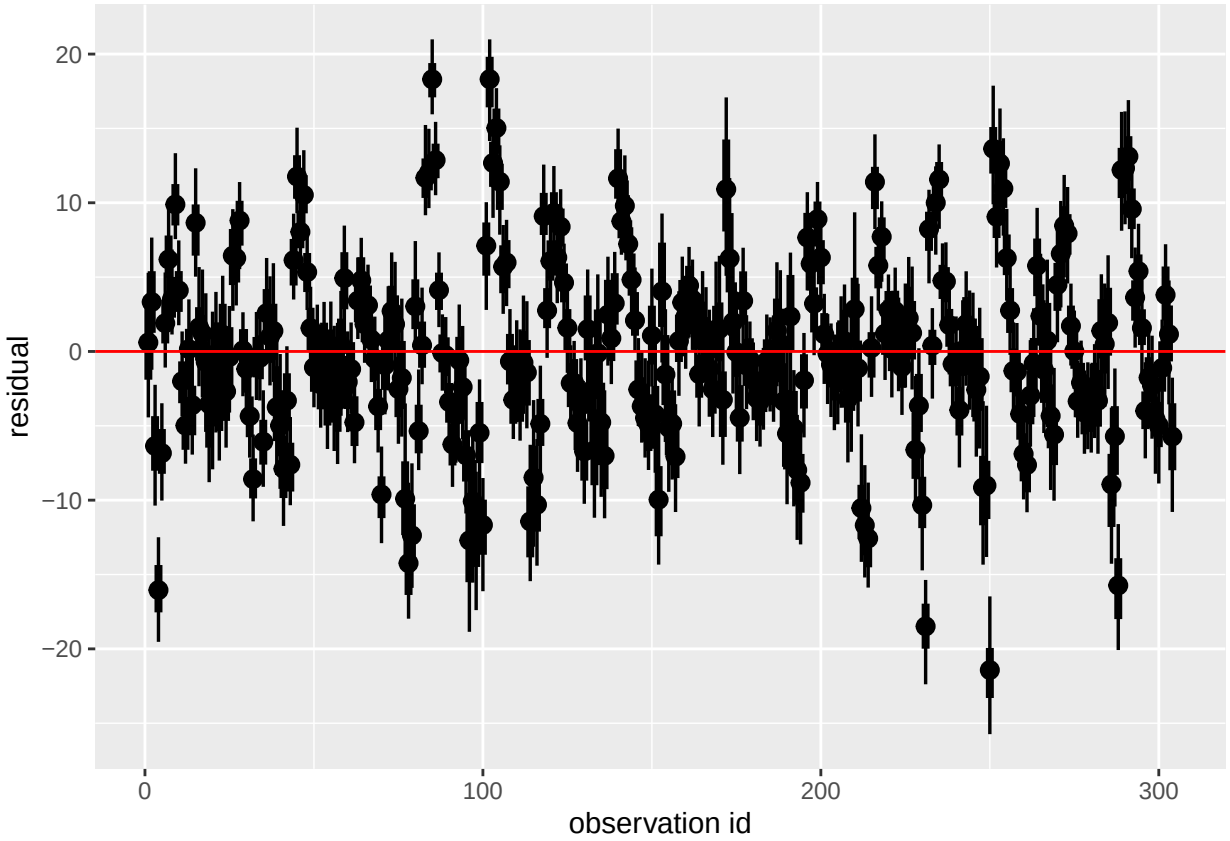
	Point est.	Upper C.I.
r_set:arm[M6-1_D,Intercept]	1.00	1.00
r_set:arm[M6-2_A,Intercept]	1.00	1.00
r_set:arm[M6-2_B,Intercept]	1.00	1.00
r_set:arm[M6-2_C,Intercept]	1.00	1.00
r_set:arm[M6-2_D,Intercept]	1.00	1.00
r_set:arm[M6-3_A,Intercept]	1.00	1.00
r_set:arm[M6-3_B,Intercept]	1.00	1.00
r_set:arm[M6-3_C,Intercept]	1.00	1.00
r_set:arm[M6-3_D,Intercept]	1.00	1.02
r_set:arm[M6-4_A,Intercept]	1.00	1.00
r_set:arm[M6-4_B,Intercept]	1.00	1.00
r_set:arm[M6-4_C,Intercept]	1.00	1.00
r_set:arm[M6-4_D,Intercept]	1.00	1.00
r_set:arm[M6-1_A,year]	1.00	1.01
r_set:arm[M6-1_B,year]	1.00	1.01
r_set:arm[M6-1_C,year]	1.00	1.00
r_set:arm[M6-1_D,year]	1.00	1.00
r_set:arm[M6-2_A,year]	1.00	1.00
r_set:arm[M6-2_B,year]	1.00	1.01
r_set:arm[M6-2_C,year]	1.00	1.00
r_set:arm[M6-2_D,year]	1.00	1.00
r_set:arm[M6-3_A,year]	1.00	1.00
r_set:arm[M6-3_B,year]	1.00	1.00
r_set:arm[M6-3_C,year]	1.00	1.01
r_set:arm[M6-3_D,year]	1.00	1.01
r_set:arm[M6-4_A,year]	1.00	1.01
r_set:arm[M6-4_B,year]	1.00	1.00
r_set:arm[M6-4_C,year]	1.00	1.01
r_set:arm[M6-4_D,year]	1.00	1.01
lp___	1.00	1.01

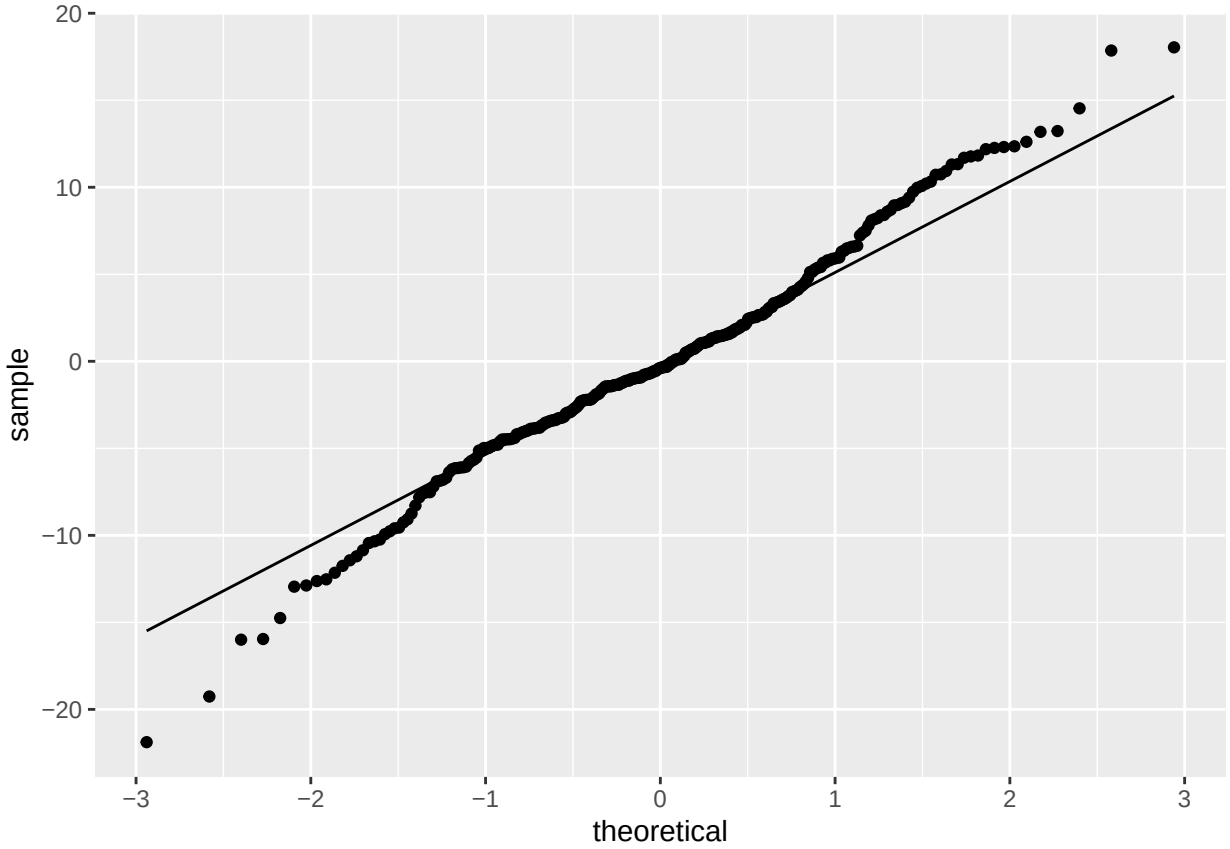
Number of divergences: 0

ASIS: Marsh8


posterior density
150
200
250
300
elevation (mm)


M8−1
M8−2
M8−3
M8−4
y
Average y_{rep}


20
10
0
−10
−20
residual
0
100
200
300
observation id

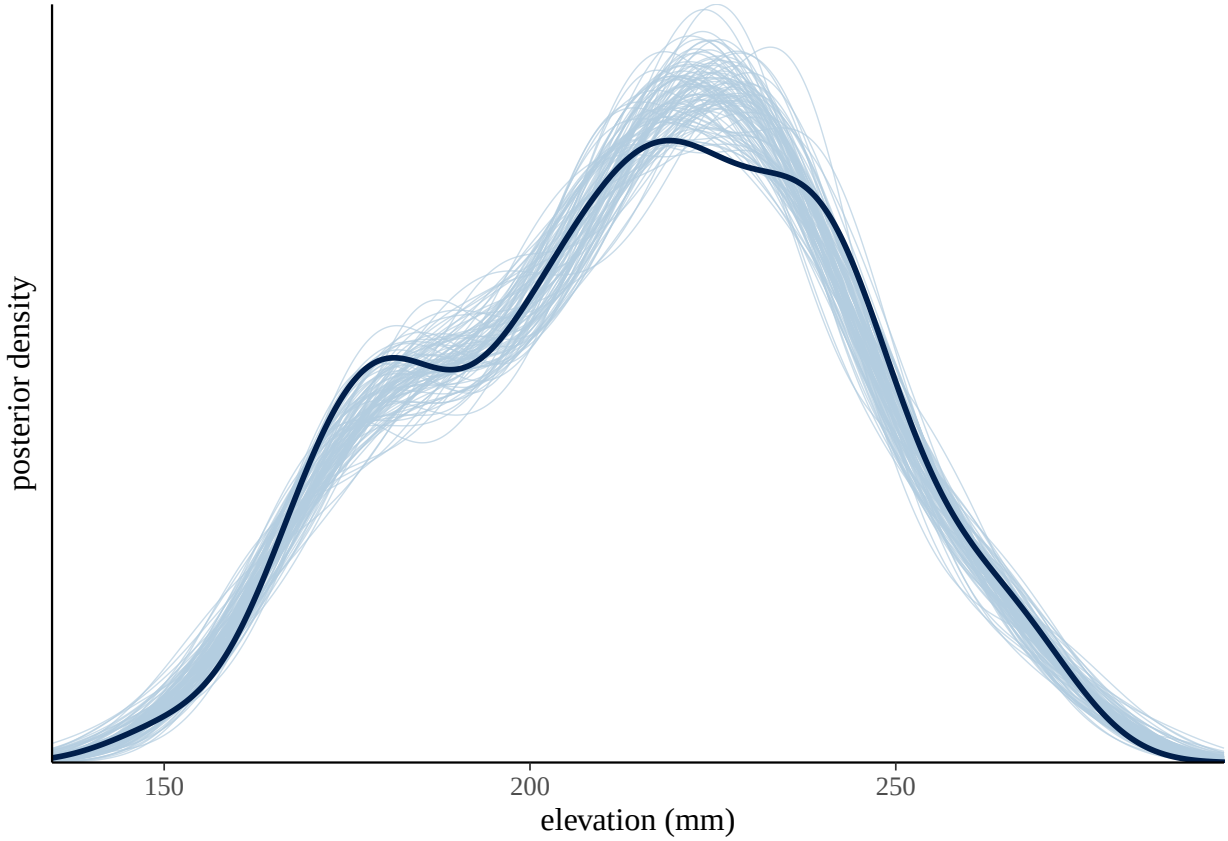


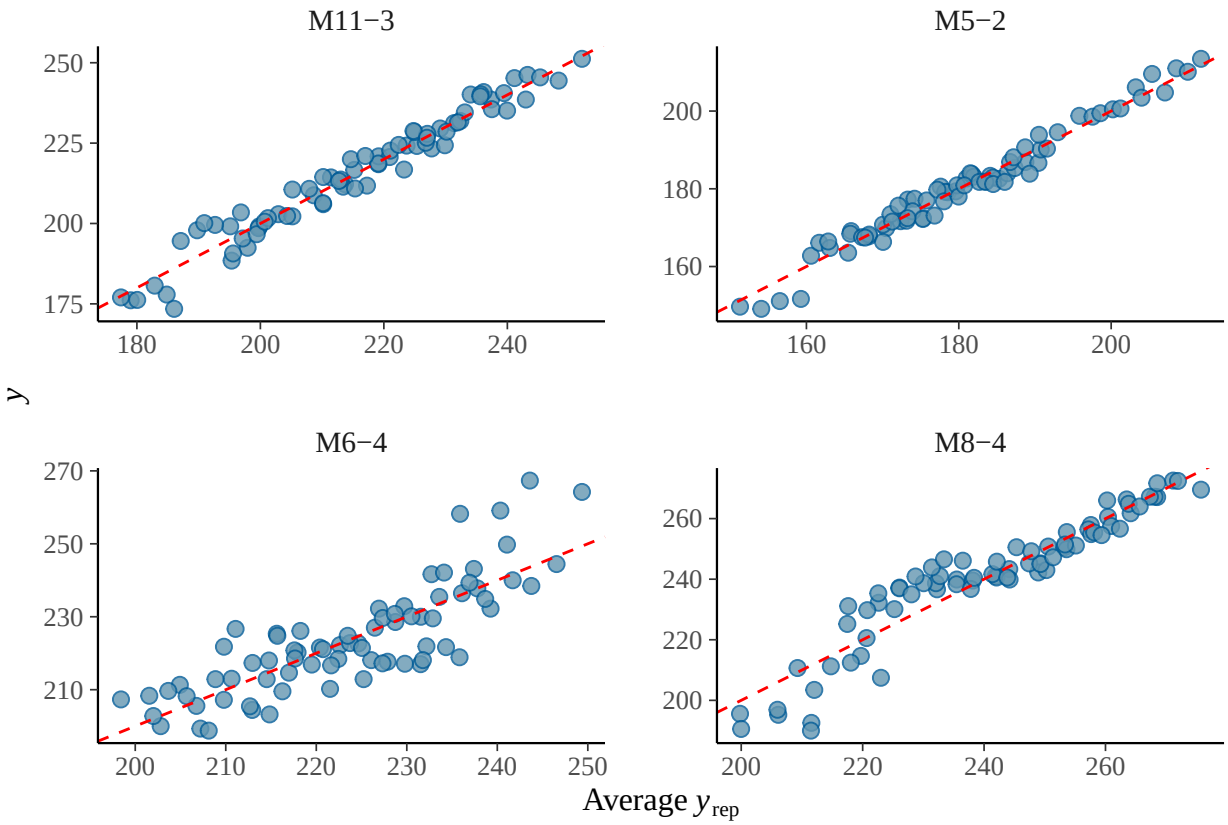
	Point est.	Upper C.I.
b_Intercept	1.03	1.07
b_year	1.01	1.02
sd_set__Intercept	1.04	1.06
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[M8-1,Intercept]	1.02	1.06
r_set[M8-2,Intercept]	1.02	1.07
r_set[M8-3,Intercept]	1.03	1.07
r_set[M8-4,Intercept]	1.03	1.07
r_set[M8-1,year]	1.00	1.01
r_set[M8-2,year]	1.01	1.01
r_set[M8-3,year]	1.01	1.03
r_set[M8-4,year]	1.01	1.01
r_set:arm[M8-1_A,Intercept]	1.00	1.00
r_set:arm[M8-1_B,Intercept]	1.00	1.00
r_set:arm[M8-1_C,Intercept]	1.00	1.00

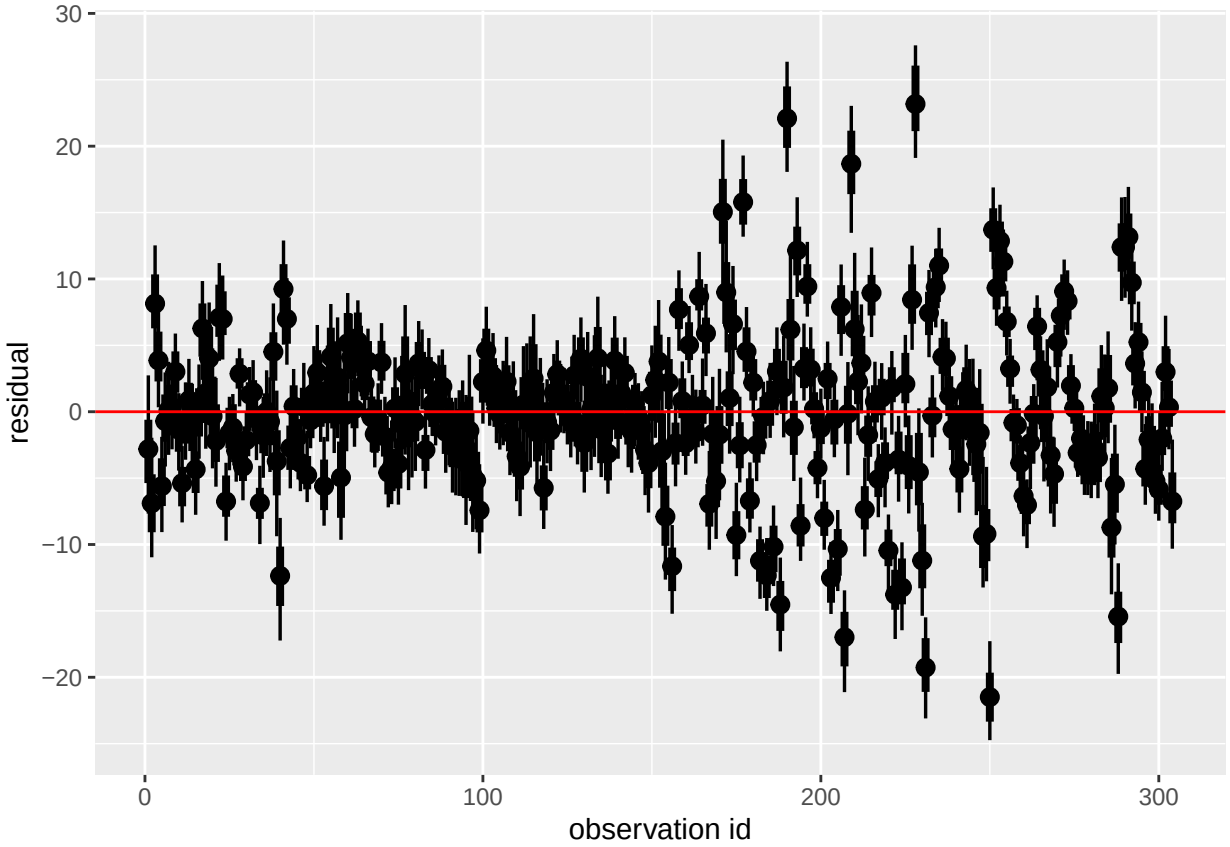
	Point est.	Upper C.I.
r_set:arm[M8-1_D,Intercept]	1.00	1.00
r_set:arm[M8-2_A,Intercept]	1.00	1.00
r_set:arm[M8-2_B,Intercept]	1.00	1.00
r_set:arm[M8-2_C,Intercept]	1.00	1.00
r_set:arm[M8-2_D,Intercept]	1.00	1.00
r_set:arm[M8-3_A,Intercept]	1.00	1.00
r_set:arm[M8-3_B,Intercept]	1.00	1.00
r_set:arm[M8-3_C,Intercept]	1.00	1.00
r_set:arm[M8-3_D,Intercept]	1.00	1.00
r_set:arm[M8-4_A,Intercept]	1.00	1.00
r_set:arm[M8-4_B,Intercept]	1.00	1.00
r_set:arm[M8-4_C,Intercept]	1.00	1.00
r_set:arm[M8-4_D,Intercept]	1.00	1.00
r_set:arm[M8-1_A,year]	1.00	1.00
r_set:arm[M8-1_B,year]	1.00	1.00
r_set:arm[M8-1_C,year]	1.00	1.01
r_set:arm[M8-1_D,year]	1.00	1.00
r_set:arm[M8-2_A,year]	1.00	1.00
r_set:arm[M8-2_B,year]	1.00	1.00
r_set:arm[M8-2_C,year]	1.00	1.00
r_set:arm[M8-2_D,year]	1.00	1.00
r_set:arm[M8-3_A,year]	1.00	1.01
r_set:arm[M8-3_B,year]	1.00	1.00
r_set:arm[M8-3_C,year]	1.00	1.00
r_set:arm[M8-3_D,year]	1.00	1.00
r_set:arm[M8-4_A,year]	1.00	1.00
r_set:arm[M8-4_B,year]	1.00	1.00
r_set:arm[M8-4_C,year]	1.00	1.00
r_set:arm[M8-4_D,year]	1.00	1.00
lp___	1.00	1.01

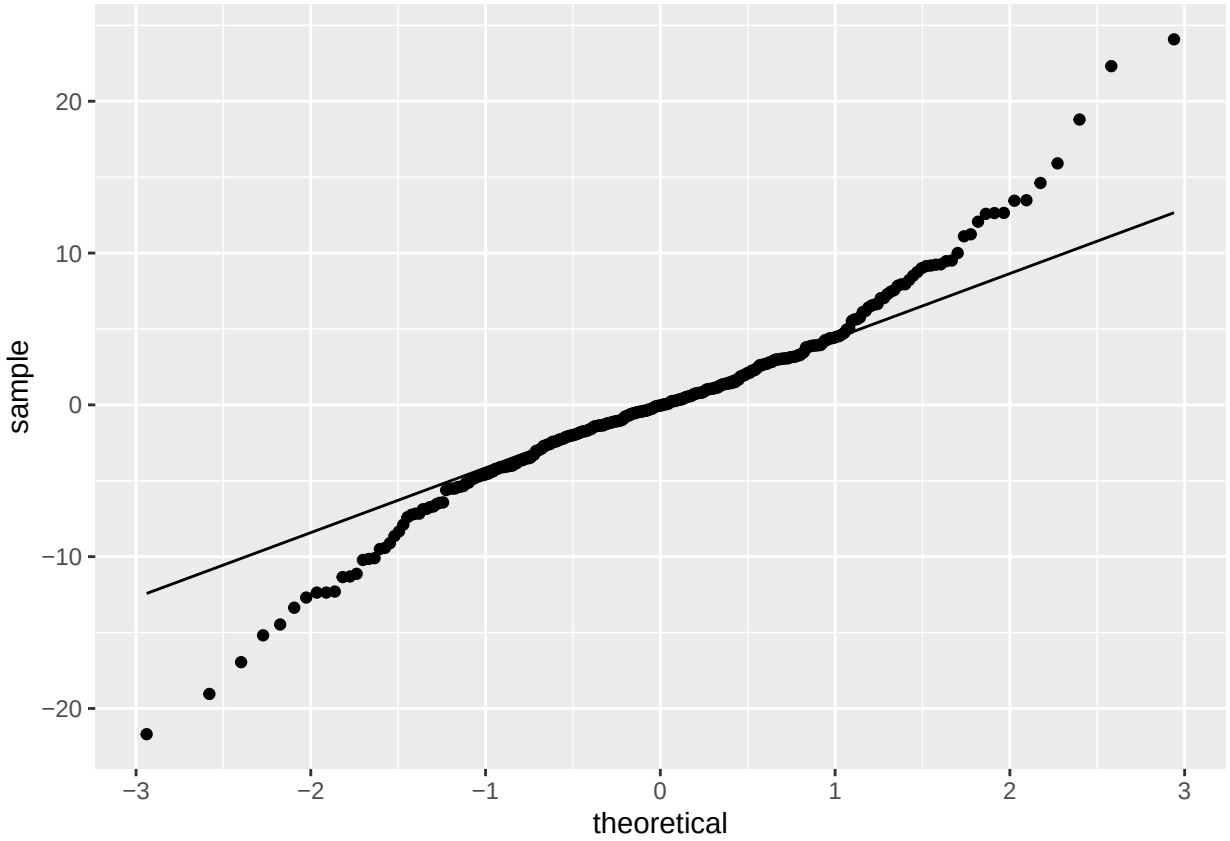
Number of divergences: 0

ASIS: MarshExclosure






30
20
10
0
−10
−20
residual
0
100
200
300
observation id

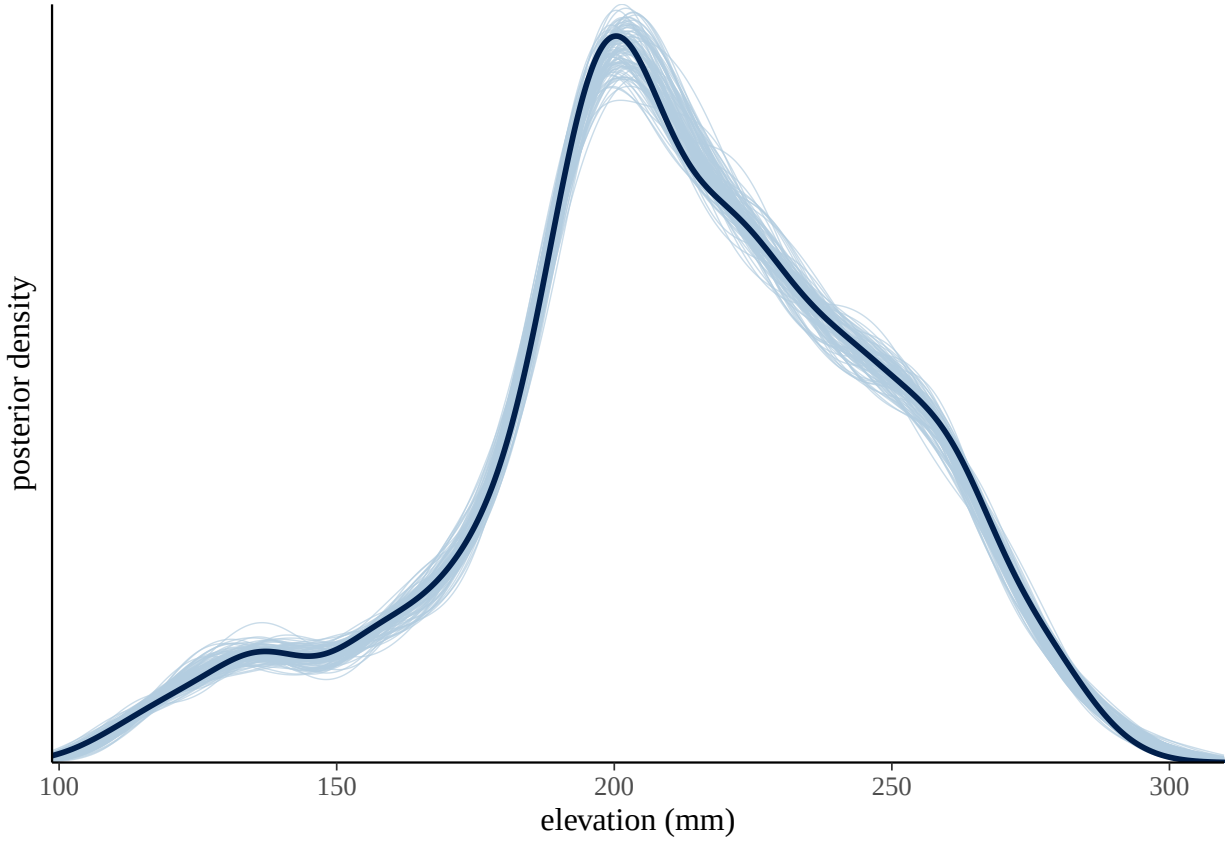


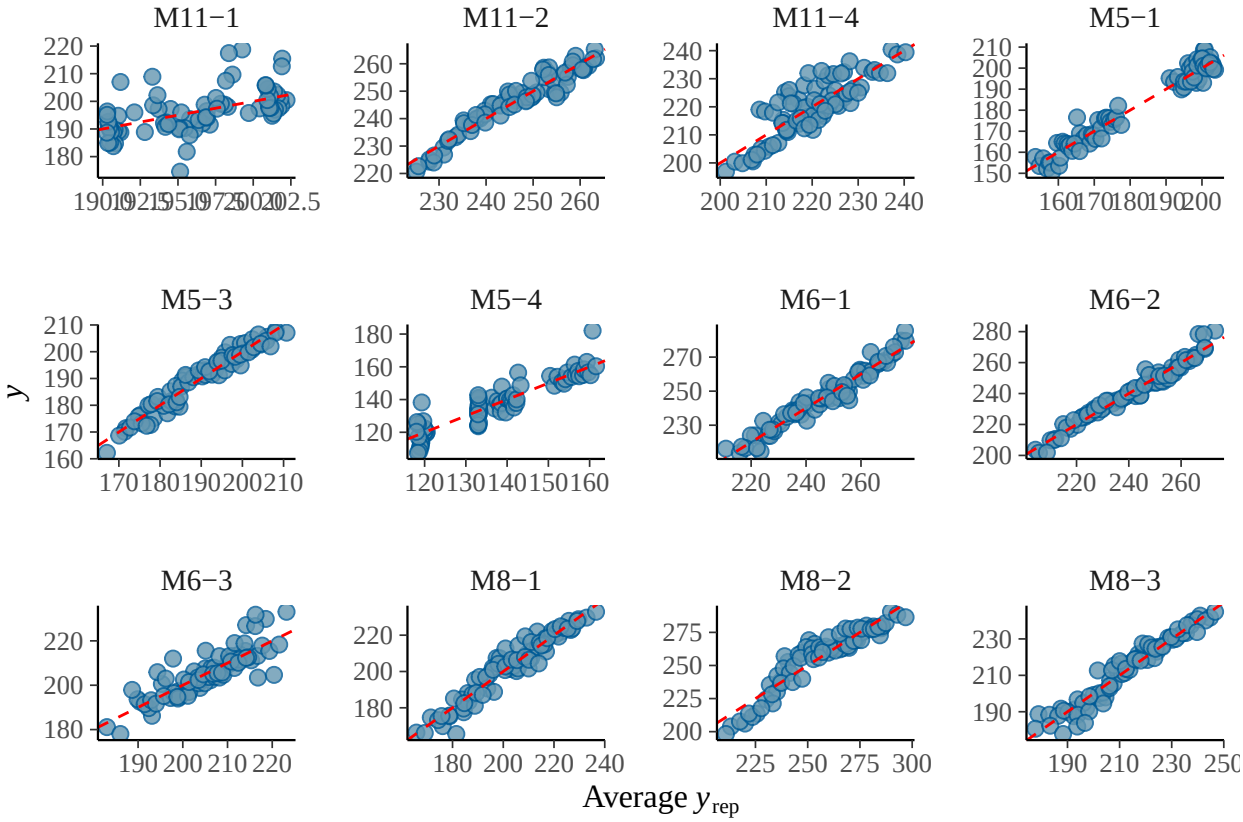
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.00	1.00
sd_set__Intercept	1.01	1.01
sd_set__year	1.00	1.00
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[M11-3,Intercept]	1.01	1.01
r_set[M5-2,Intercept]	1.01	1.01
r_set[M6-4,Intercept]	1.01	1.01
r_set[M8-4,Intercept]	1.01	1.01
r_set[M11-3,year]	1.00	1.00
r_set[M5-2,year]	1.00	1.00
r_set[M6-4,year]	1.00	1.00
r_set[M8-4,year]	1.00	1.00
r_set:arm[M11-3_A,Intercept]	1.00	1.00
r_set:arm[M11-3_B,Intercept]	1.00	1.00
r_set:arm[M11-3_C,Intercept]	1.00	1.00

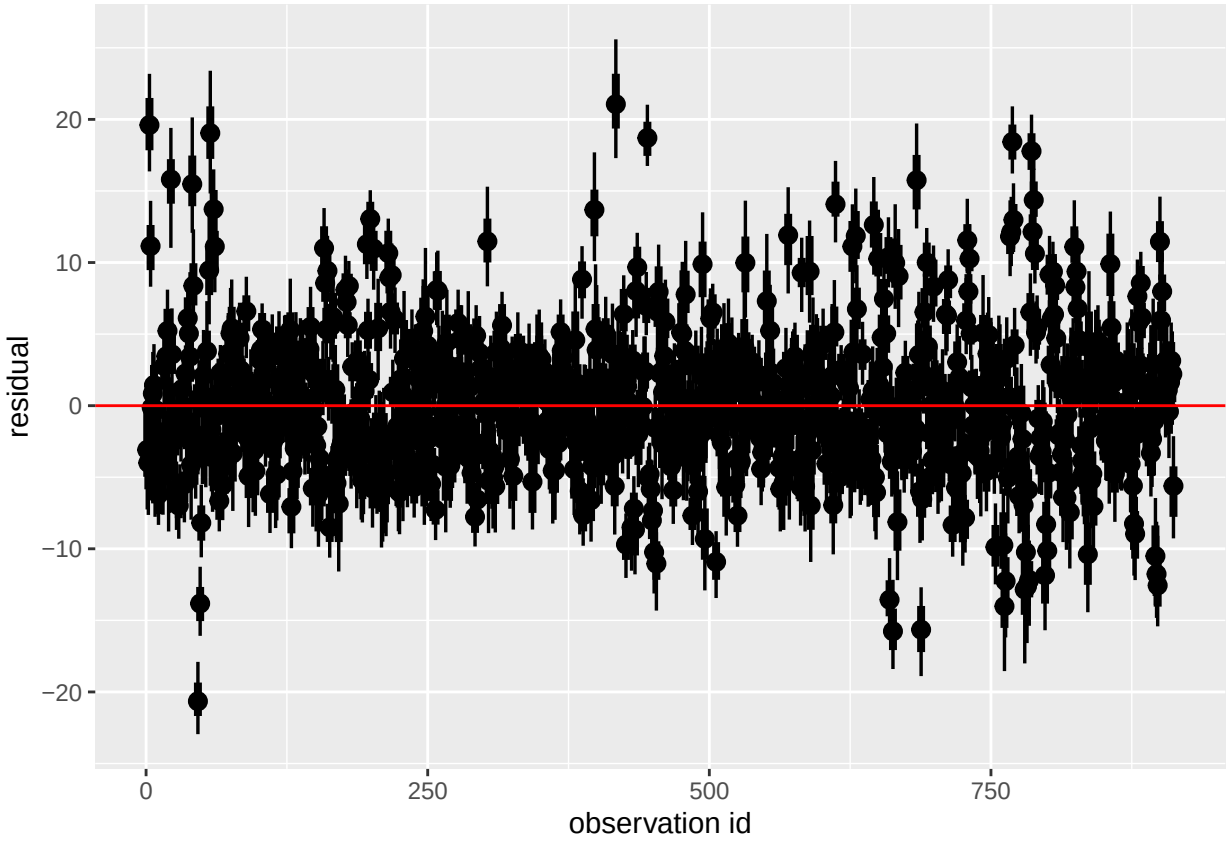
	Point est.	Upper C.I.
r_set:arm[M11-3_D,Intercept]	1.00	1.00
r_set:arm[M5-2_A,Intercept]	1.00	1.01
r_set:arm[M5-2_B,Intercept]	1.00	1.01
r_set:arm[M5-2_C,Intercept]	1.00	1.01
r_set:arm[M5-2_D,Intercept]	1.00	1.01
r_set:arm[M6-4_A,Intercept]	1.00	1.00
r_set:arm[M6-4_B,Intercept]	1.00	1.00
r_set:arm[M6-4_C,Intercept]	1.00	1.00
r_set:arm[M6-4_D,Intercept]	1.00	1.01
r_set:arm[M8-4_A,Intercept]	1.00	1.00
r_set:arm[M8-4_B,Intercept]	1.00	1.00
r_set:arm[M8-4_C,Intercept]	1.00	1.00
r_set:arm[M8-4_D,Intercept]	1.00	1.00
r_set:arm[M11-3_A,year]	1.00	1.00
r_set:arm[M11-3_B,year]	1.00	1.00
r_set:arm[M11-3_C,year]	1.00	1.00
r_set:arm[M11-3_D,year]	1.00	1.00
r_set:arm[M5-2_A,year]	1.00	1.01
r_set:arm[M5-2_B,year]	1.00	1.00
r_set:arm[M5-2_C,year]	1.00	1.00
r_set:arm[M5-2_D,year]	1.00	1.01
r_set:arm[M6-4_A,year]	1.00	1.00
r_set:arm[M6-4_B,year]	1.00	1.00
r_set:arm[M6-4_C,year]	1.00	1.00
r_set:arm[M6-4_D,year]	1.00	1.00
r_set:arm[M8-4_A,year]	1.00	1.00
r_set:arm[M8-4_B,year]	1.00	1.00
r_set:arm[M8-4_C,year]	1.01	1.01
r_set:arm[M8-4_D,year]	1.00	1.00
lp___	1.00	1.00

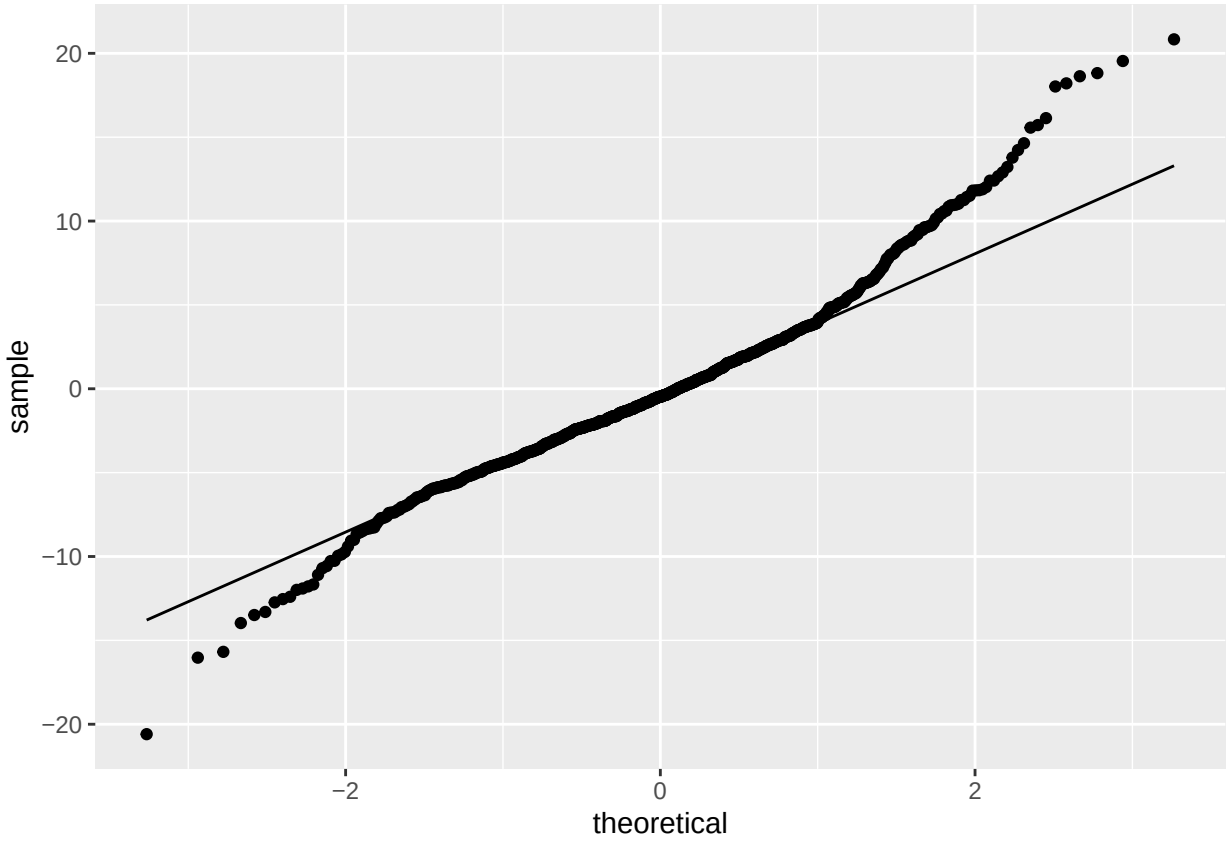
Number of divergences: 0

ASIS: Marshnon






residual
20
10
0
−10
−20
0
250
500
750
observation id



	Point est.	Upper C.I.
b_Intercept	1	1.01
b_year	1	1.00
sd_set__Intercept	1	1.01
sd_set__year	1	1.00
sd_set:arm__Intercept	1	1.00
sd_set:arm__year	1	1.00
cor_set__Intercept__year	1	1.01
cor_set:arm__Intercept__year	1	1.00
sigma	1	1.00
r_set[M11-1,Intercept]	1	1.01
r_set[M11-2,Intercept]	1	1.01
r_set[M11-4,Intercept]	1	1.01
r_set[M5-1,Intercept]	1	1.01
r_set[M5-3,Intercept]	1	1.01
r_set[M5-4,Intercept]	1	1.00
r_set[M6-1,Intercept]	1	1.02
r_set[M6-2,Intercept]	1	1.01
r_set[M6-3,Intercept]	1	1.01
r_set[M8-1,Intercept]	1	1.01
r_set[M8-2,Intercept]	1	1.01

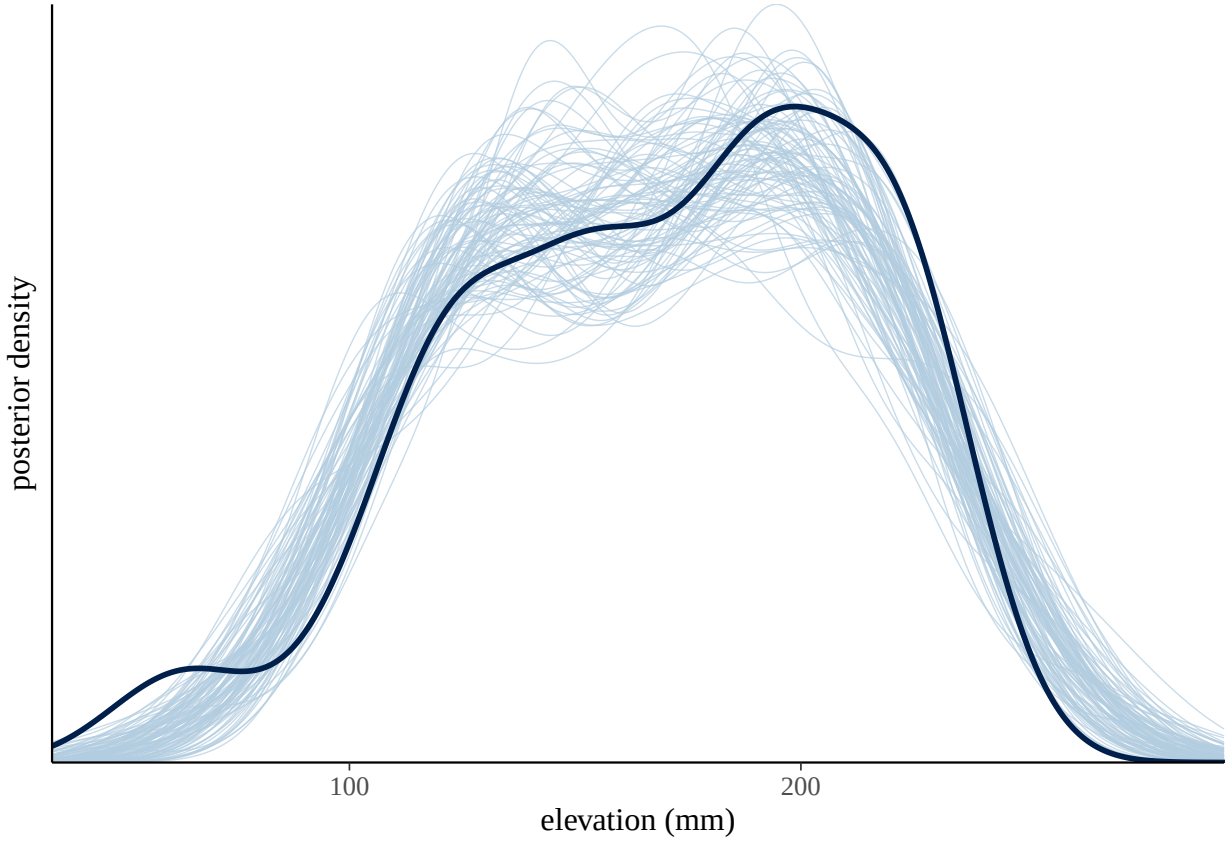
	Point est.	Upper C.I.
r_set[M8-3,Intercept]	1	1.01
r_set[M11-1,year]	1	1.00
r_set[M11-2,year]	1	1.00
r_set[M11-4,year]	1	1.00
r_set[M5-1,year]	1	1.00
r_set[M5-3,year]	1	1.00
r_set[M5-4,year]	1	1.00
r_set[M6-1,year]	1	1.00
r_set[M6-2,year]	1	1.00
r_set[M6-3,year]	1	1.00
r_set[M8-1,year]	1	1.00
r_set[M8-2,year]	1	1.00
r_set[M8-3,year]	1	1.00
r_set:arm[M11-1_A,Intercept]	1	1.00
r_set:arm[M11-1_B,Intercept]	1	1.00
r_set:arm[M11-1_C,Intercept]	1	1.00
r_set:arm[M11-1_D,Intercept]	1	1.00
r_set:arm[M11-2_A,Intercept]	1	1.00
r_set:arm[M11-2_B,Intercept]	1	1.00
r_set:arm[M11-2_C,Intercept]	1	1.00
r_set:arm[M11-2_D,Intercept]	1	1.00
r_set:arm[M11-4_A,Intercept]	1	1.00
r_set:arm[M11-4_B,Intercept]	1	1.01
r_set:arm[M11-4_C,Intercept]	1	1.00
r_set:arm[M11-4_D,Intercept]	1	1.00
r_set:arm[M5-1_A,Intercept]	1	1.00
r_set:arm[M5-1_B,Intercept]	1	1.00
r_set:arm[M5-1_C,Intercept]	1	1.00
r_set:arm[M5-1_D,Intercept]	1	1.00
r_set:arm[M5-3_A,Intercept]	1	1.00
r_set:arm[M5-3_B,Intercept]	1	1.00
r_set:arm[M5-3_C,Intercept]	1	1.00
r_set:arm[M5-3_D,Intercept]	1	1.00
r_set:arm[M5-4_A,Intercept]	1	1.00
r_set:arm[M5-4_B,Intercept]	1	1.00
r_set:arm[M5-4_C,Intercept]	1	1.01
r_set:arm[M5-4_D,Intercept]	1	1.01
r_set:arm[M6-1_A,Intercept]	1	1.01
r_set:arm[M6-1_B,Intercept]	1	1.01
r_set:arm[M6-1_C,Intercept]	1	1.01
r_set:arm[M6-1_D,Intercept]	1	1.01
r_set:arm[M6-2_A,Intercept]	1	1.00
r_set:arm[M6-2_B,Intercept]	1	1.00

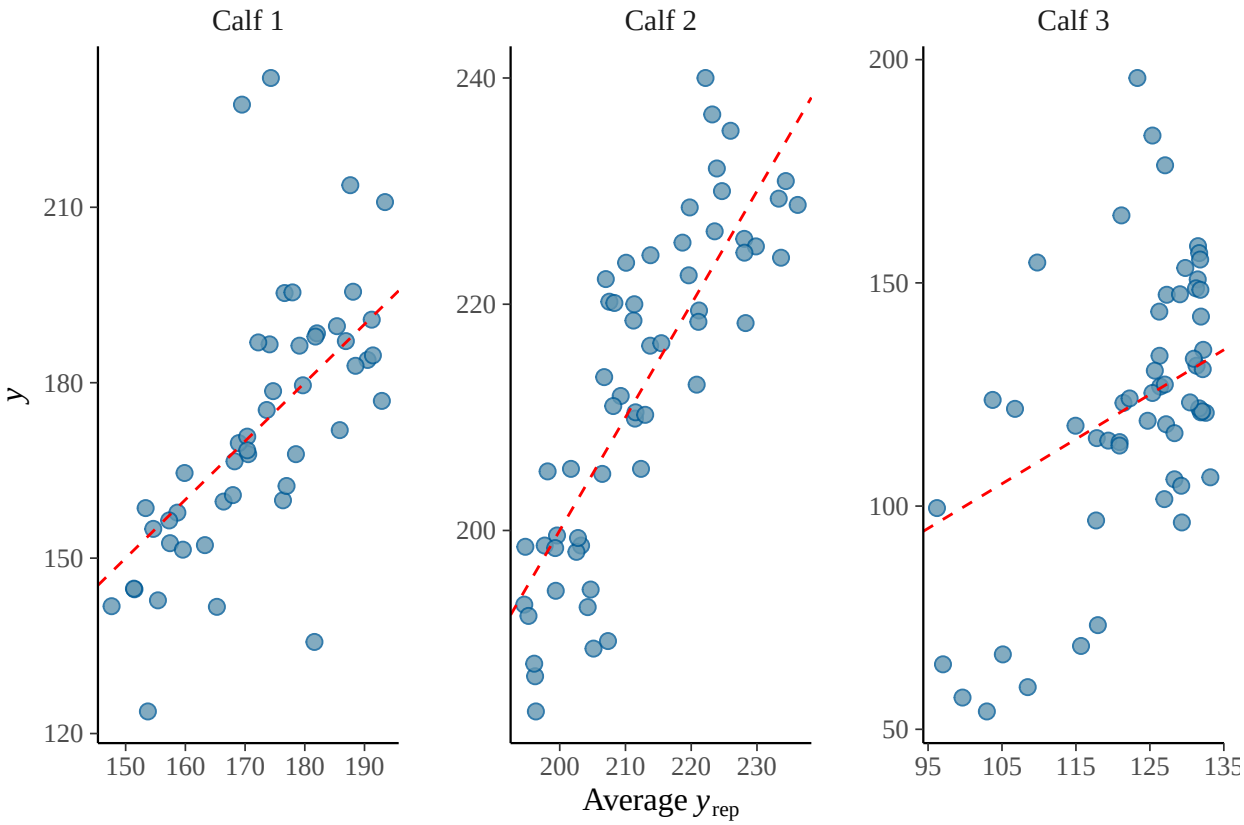
	Point est.	Upper C.I.
r_set:arm[M6-2_C,Intercept]	1	1.00
r_set:arm[M6-2_D,Intercept]	1	1.00
r_set:arm[M6-3_A,Intercept]	1	1.00
r_set:arm[M6-3_B,Intercept]	1	1.00
r_set:arm[M6-3_C,Intercept]	1	1.00
r_set:arm[M6-3_D,Intercept]	1	1.00
r_set:arm[M8-1_A,Intercept]	1	1.00
r_set:arm[M8-1_B,Intercept]	1	1.00
r_set:arm[M8-1_C,Intercept]	1	1.00
r_set:arm[M8-1_D,Intercept]	1	1.00
r_set:arm[M8-2_A,Intercept]	1	1.00
r_set:arm[M8-2_B,Intercept]	1	1.00
r_set:arm[M8-2_C,Intercept]	1	1.00
r_set:arm[M8-2_D,Intercept]	1	1.00
r_set:arm[M8-3_A,Intercept]	1	1.00
r_set:arm[M8-3_B,Intercept]	1	1.00
r_set:arm[M8-3_C,Intercept]	1	1.00
r_set:arm[M8-3_D,Intercept]	1	1.00
r_set:arm[M11-1_A,year]	1	1.00
r_set:arm[M11-1_B,year]	1	1.00
r_set:arm[M11-1_C,year]	1	1.00
r_set:arm[M11-1_D,year]	1	1.00
r_set:arm[M11-2_A,year]	1	1.00
r_set:arm[M11-2_B,year]	1	1.00
r_set:arm[M11-2_C,year]	1	1.00
r_set:arm[M11-2_D,year]	1	1.01
r_set:arm[M11-4_A,year]	1	1.00
r_set:arm[M11-4_B,year]	1	1.01
r_set:arm[M11-4_C,year]	1	1.00
r_set:arm[M11-4_D,year]	1	1.00
r_set:arm[M5-1_A,year]	1	1.01
r_set:arm[M5-1_B,year]	1	1.00
r_set:arm[M5-1_C,year]	1	1.00
r_set:arm[M5-1_D,year]	1	1.00
r_set:arm[M5-3_A,year]	1	1.00
r_set:arm[M5-3_B,year]	1	1.00
r_set:arm[M5-3_C,year]	1	1.00
r_set:arm[M5-3_D,year]	1	1.00
r_set:arm[M5-4_A,year]	1	1.00
r_set:arm[M5-4_B,year]	1	1.00
r_set:arm[M5-4_C,year]	1	1.00
r_set:arm[M5-4_D,year]	1	1.00
r_set:arm[M6-1_A,year]	1	1.00

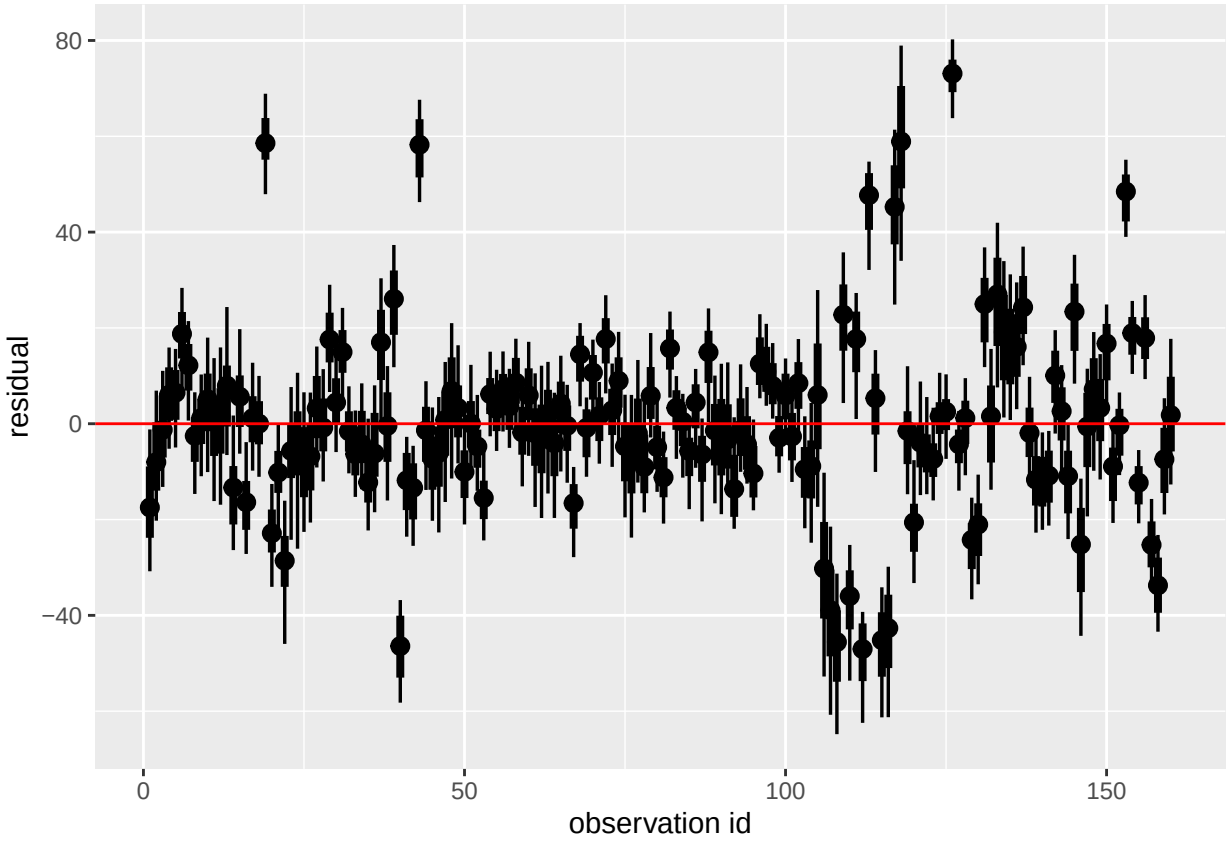
	Point est.	Upper C.I.
r_set:arm[M6-1_B,year]	1	1.00
r_set:arm[M6-1_C,year]	1	1.01
r_set:arm[M6-1_D,year]	1	1.00
r_set:arm[M6-2_A,year]	1	1.00
r_set:arm[M6-2_B,year]	1	1.00
r_set:arm[M6-2_C,year]	1	1.00
r_set:arm[M6-2_D,year]	1	1.00
r_set:arm[M6-3_A,year]	1	1.00
r_set:arm[M6-3_B,year]	1	1.00
r_set:arm[M6-3_C,year]	1	1.00
r_set:arm[M6-3_D,year]	1	1.00
r_set:arm[M8-1_A,year]	1	1.00
r_set:arm[M8-1_B,year]	1	1.00
r_set:arm[M8-1_C,year]	1	1.00
r_set:arm[M8-1_D,year]	1	1.00
r_set:arm[M8-2_A,year]	1	1.01
r_set:arm[M8-2_B,year]	1	1.00
r_set:arm[M8-2_C,year]	1	1.00
r_set:arm[M8-2_D,year]	1	1.00
r_set:arm[M8-3_A,year]	1	1.00
r_set:arm[M8-3_B,year]	1	1.00
r_set:arm[M8-3_C,year]	1	1.00
r_set:arm[M8-3_D,year]	1	1.00
lp___	1	1.00

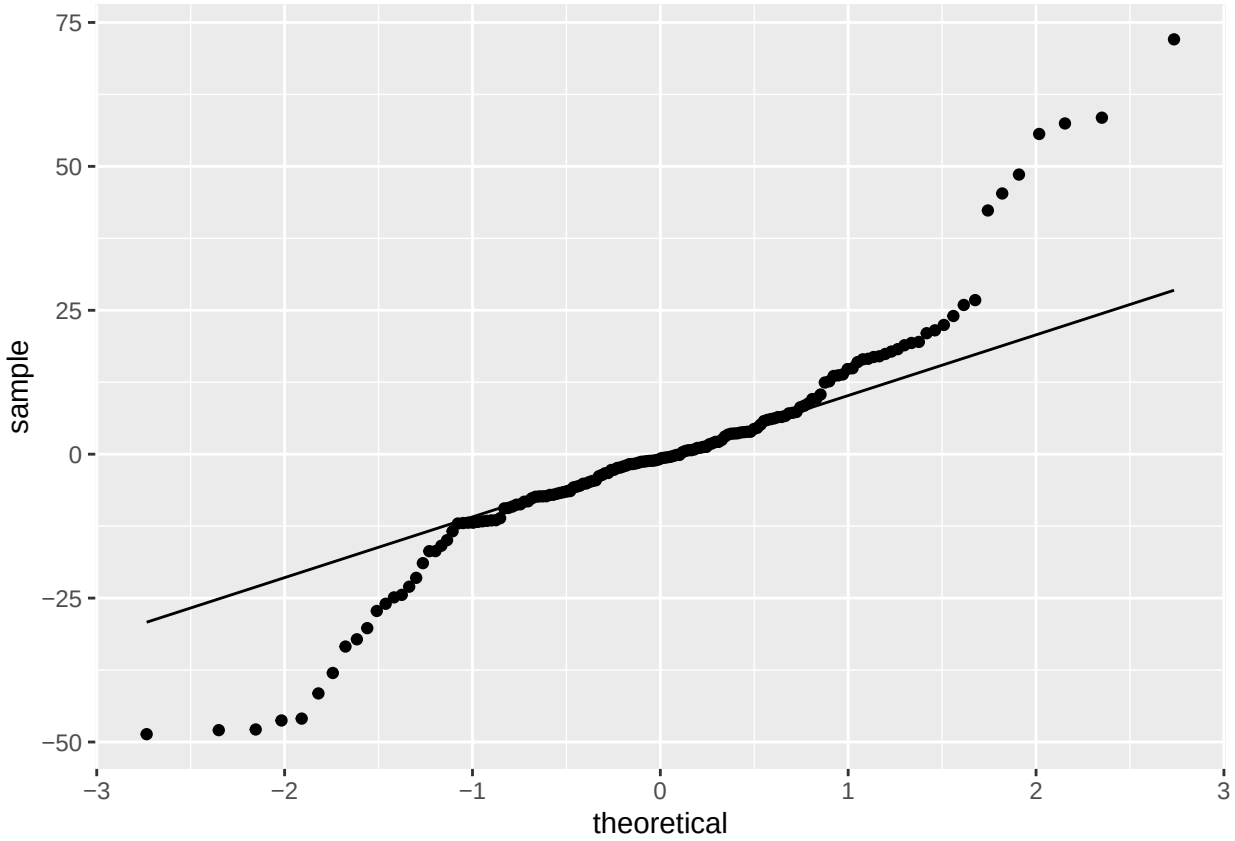
Number of divergences: 0

BOHA: CalfIsland






80
40
0
−40
residual
0
50
100
150
observation id

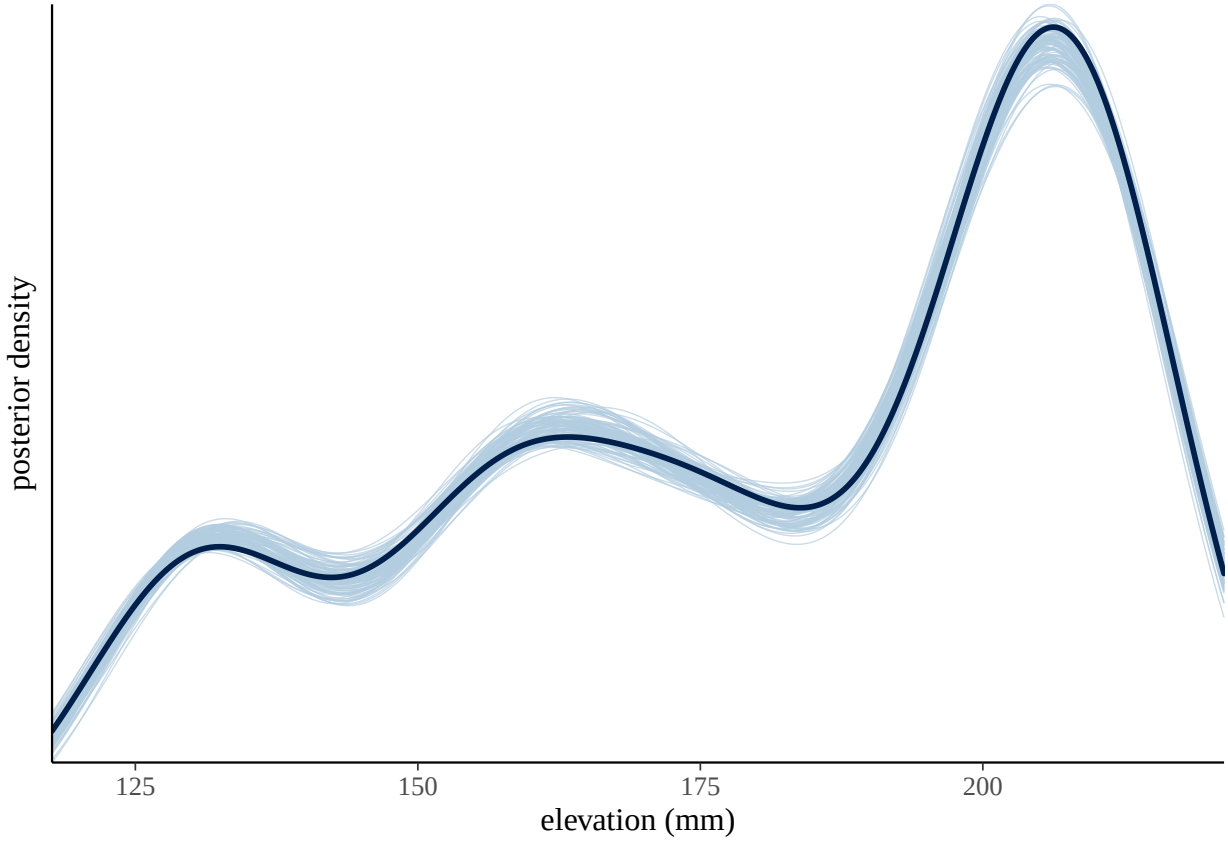


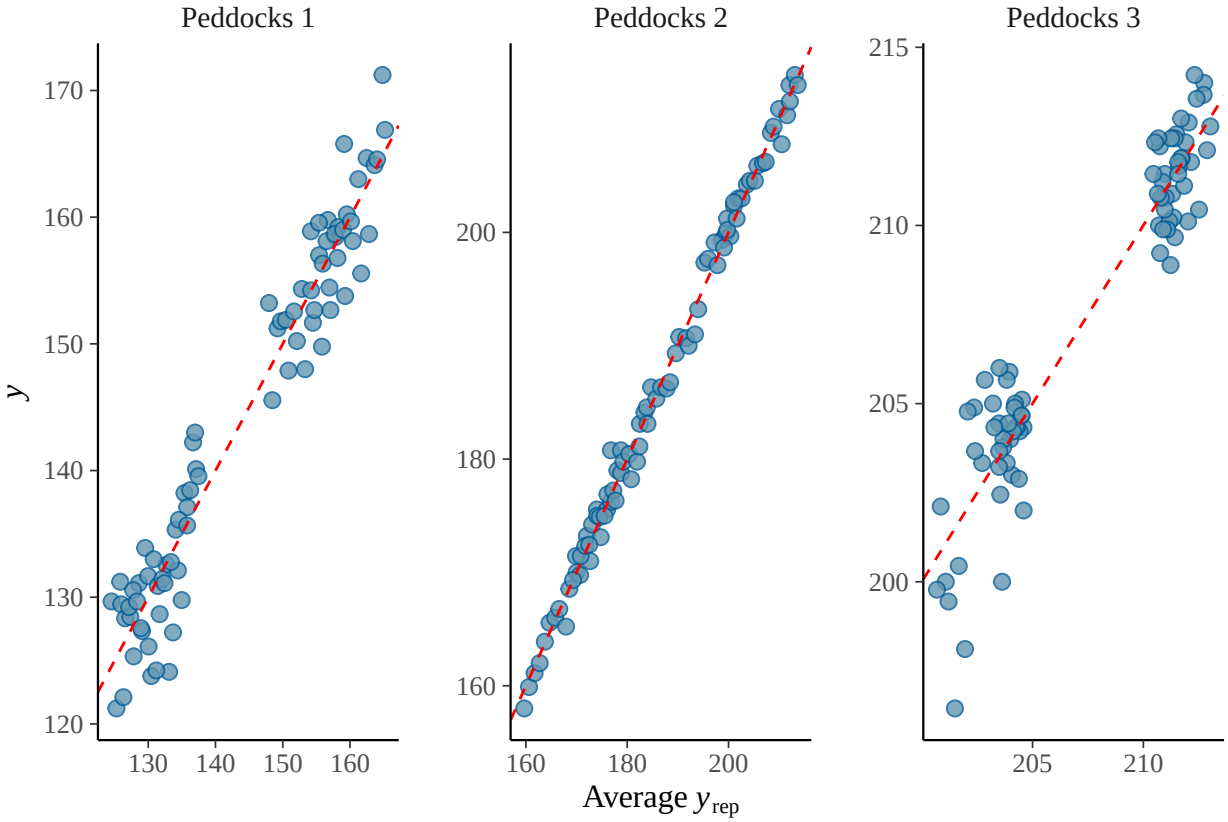
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.01
sd_set__Intercept	1.01	1.01
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.01	1.02
sd_set:arm__year	1.01	1.03
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.01
sigma	1.00	1.01
r_set[Calf.1,Intercept]	1.01	1.01
r_set[Calf.2,Intercept]	1.00	1.01
r_set[Calf.3,Intercept]	1.00	1.01
r_set[Calf.1,year]	1.00	1.00
r_set[Calf.2,year]	1.01	1.02
r_set[Calf.3,year]	1.00	1.01
r_set:arm[Calf.1_A,Intercept]	1.01	1.02
r_set:arm[Calf.1_B,Intercept]	1.01	1.02
r_set:arm[Calf.1_C,Intercept]	1.01	1.02
r_set:arm[Calf.1_D,Intercept]	1.01	1.02
r_set:arm[Calf.2_A,Intercept]	1.00	1.01

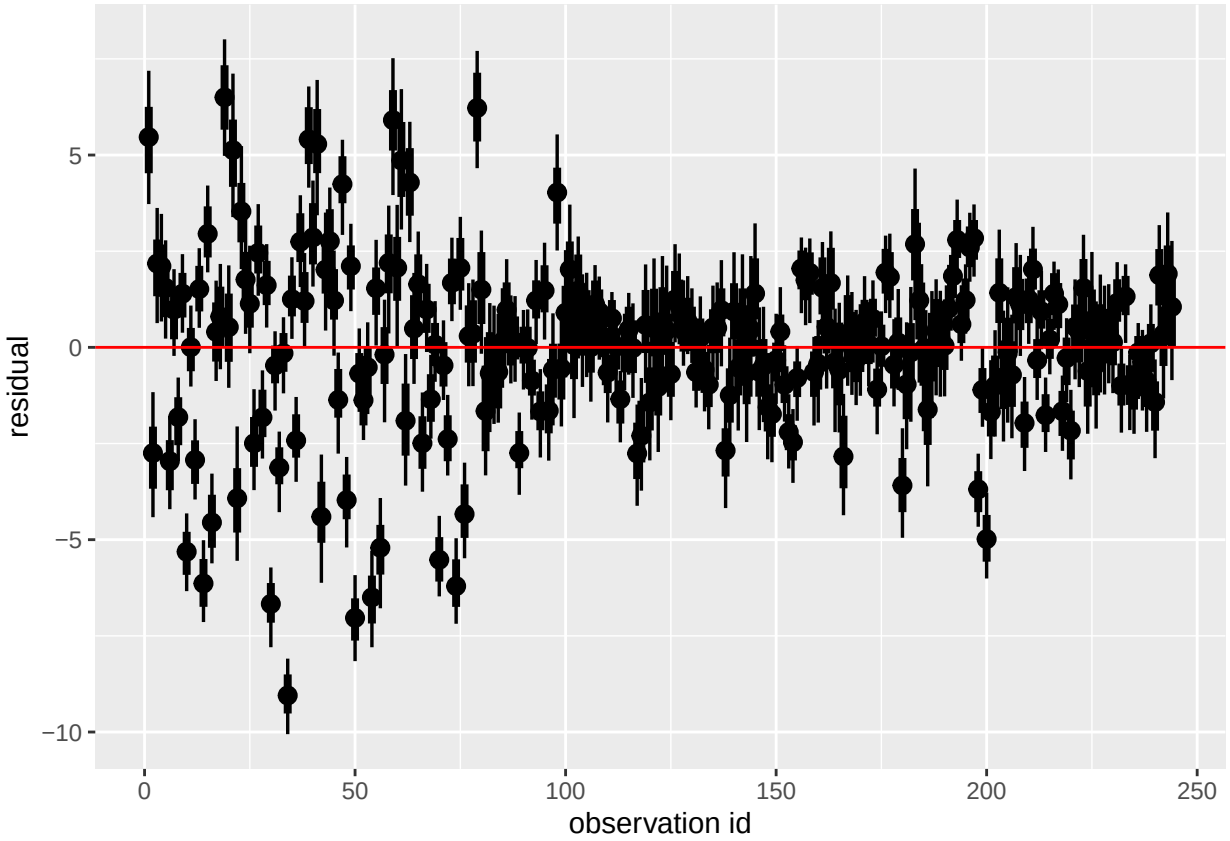
	Point est.	Upper C.I.
r_set:arm[Calf.2_B,Intercept]	1.00	1.01
r_set:arm[Calf.2_C,Intercept]	1.00	1.00
r_set:arm[Calf.2_D,Intercept]	1.00	1.01
r_set:arm[Calf.3_A,Intercept]	1.00	1.02
r_set:arm[Calf.3_B,Intercept]	1.00	1.00
r_set:arm[Calf.3_C,Intercept]	1.00	1.02
r_set:arm[Calf.3_D,Intercept]	1.00	1.01
r_set:arm[Calf.1_A,year]	1.01	1.02
r_set:arm[Calf.1_B,year]	1.02	1.04
r_set:arm[Calf.1_C,year]	1.02	1.05
r_set:arm[Calf.1_D,year]	1.02	1.04
r_set:arm[Calf.2_A,year]	1.01	1.01
r_set:arm[Calf.2_B,year]	1.01	1.02
r_set:arm[Calf.2_C,year]	1.00	1.01
r_set:arm[Calf.2_D,year]	1.01	1.01
r_set:arm[Calf.3_A,year]	1.00	1.02
r_set:arm[Calf.3_B,year]	1.00	1.00
r_set:arm[Calf.3_C,year]	1.01	1.02
r_set:arm[Calf.3_D,year]	1.01	1.02
lp___	1.01	1.03

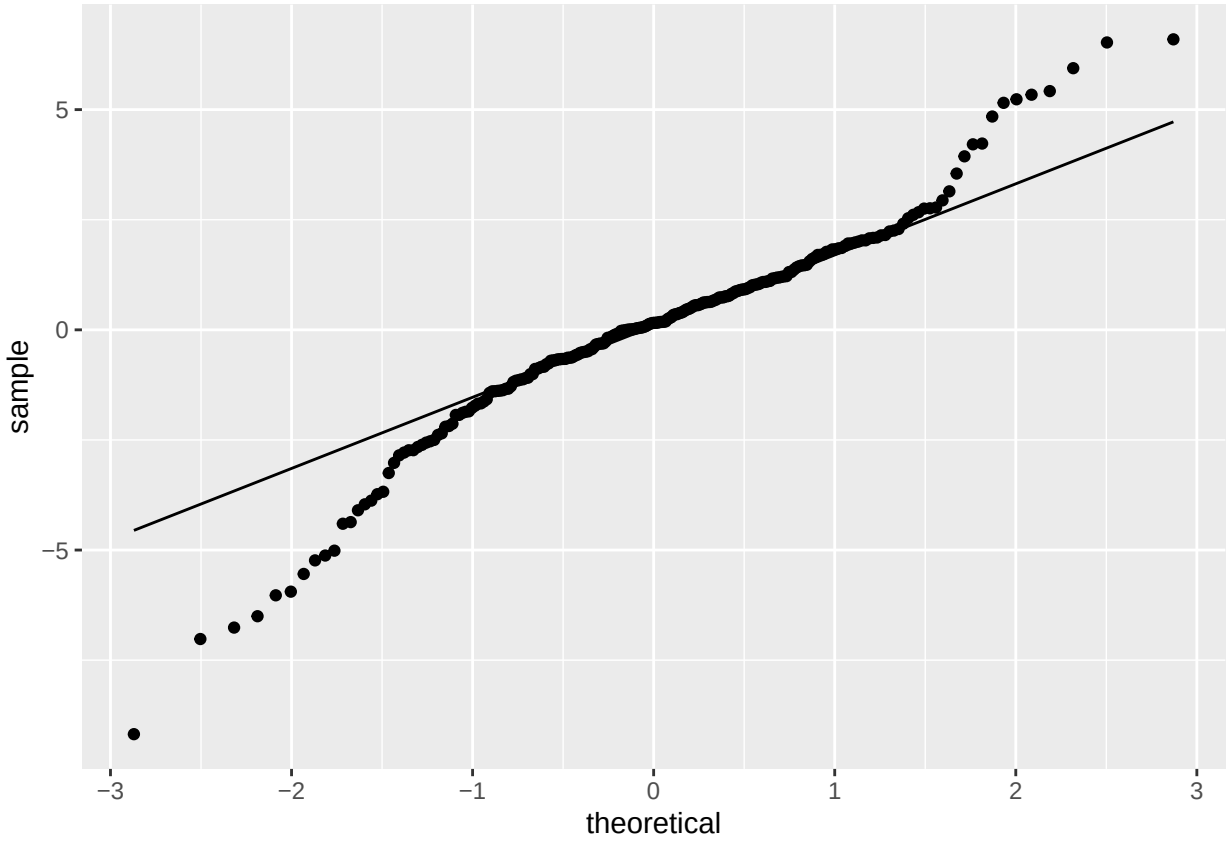
Number of divergences: 0

BOHA: PeddocksIsland






residual
5
0
−5
−10
0
50
100
150
200
250
observation id

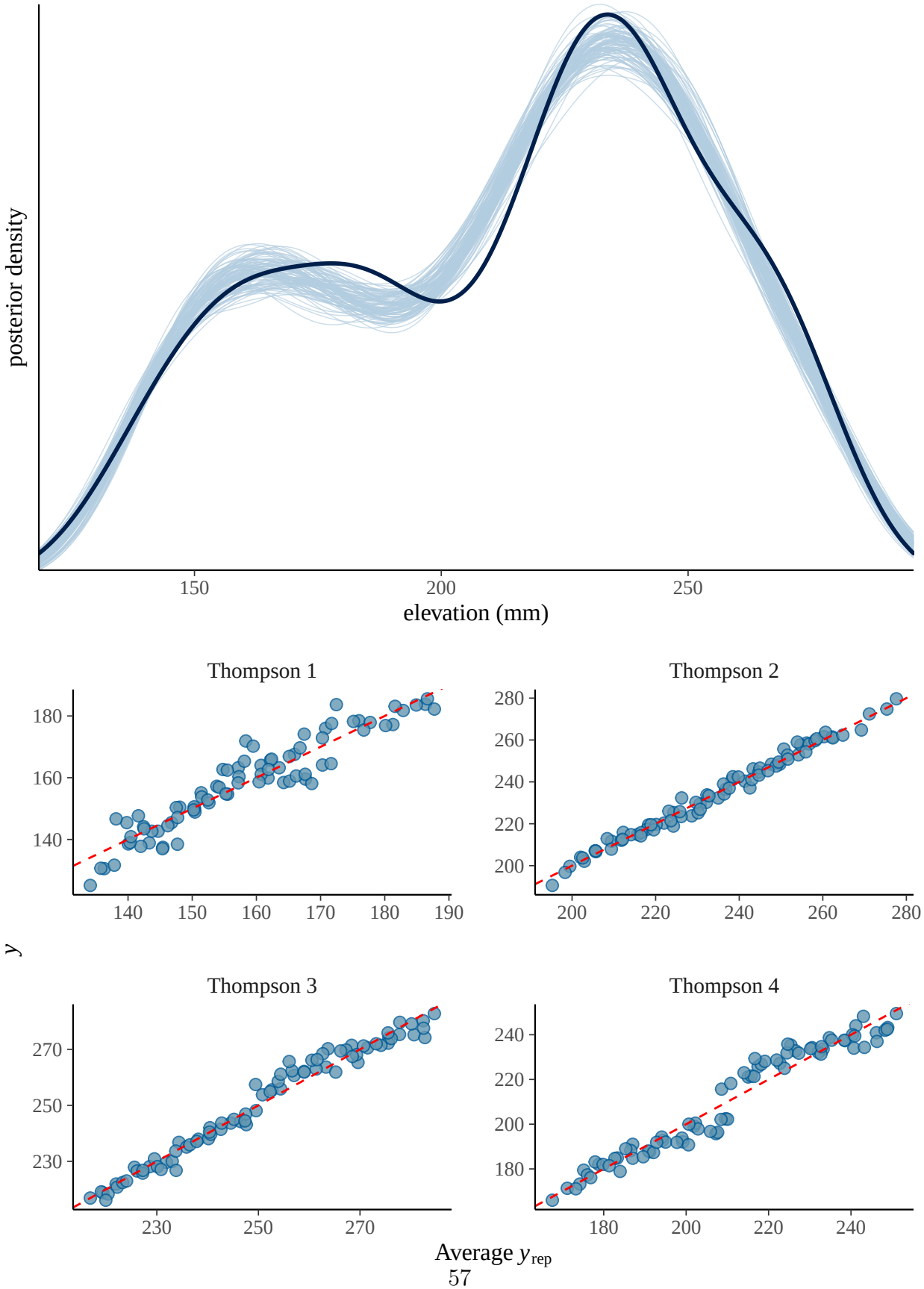


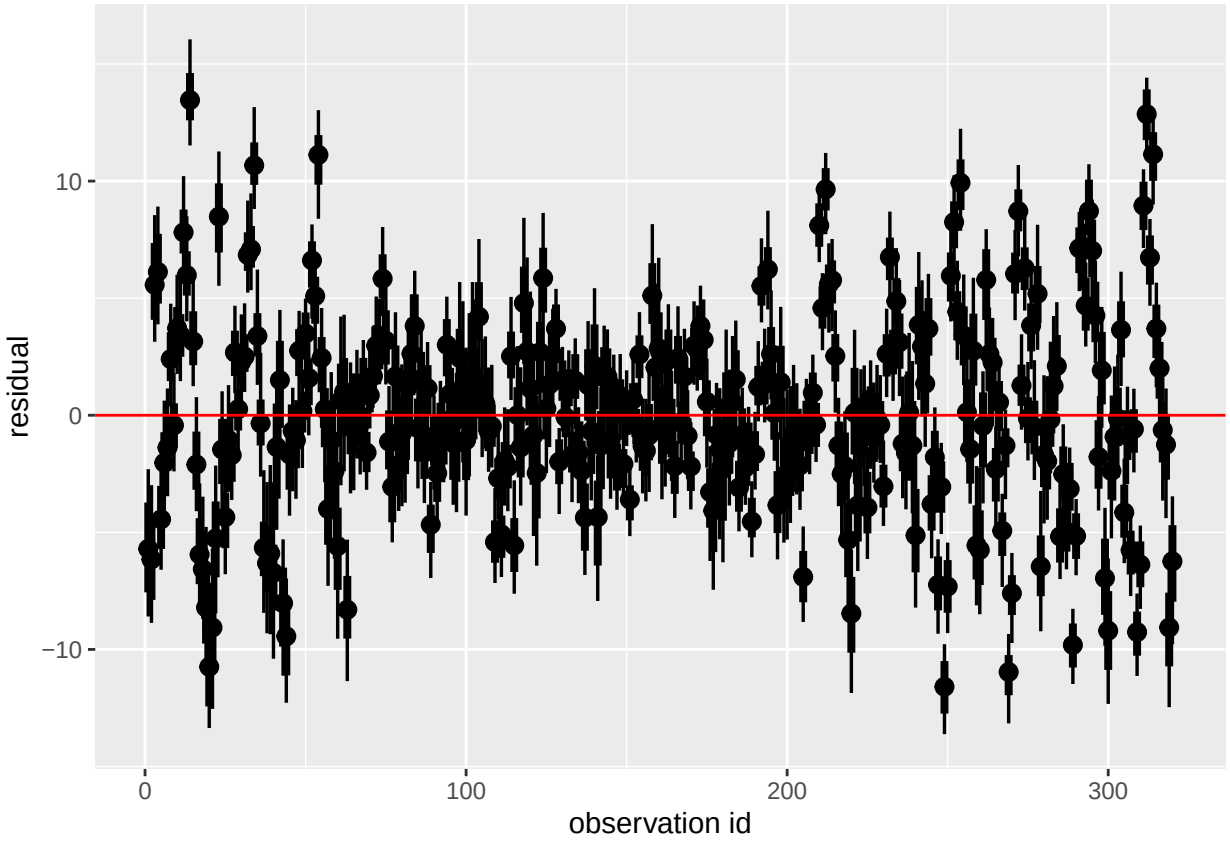
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.00	1.00
sd_set__Intercept	1.01	1.02
sd_set__year	1.01	1.02
sd_set:arm__Intercept	1.07	1.14
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Peddocks.1,Intercept]	1.02	1.05
r_set[Peddocks.2,Intercept]	1.01	1.01
r_set[Peddocks.3,Intercept]	1.01	1.01
r_set[Peddocks.1,year]	1.00	1.00
r_set[Peddocks.2,year]	1.00	1.00
r_set[Peddocks.3,year]	1.00	1.00
r_set:arm[Peddocks.1_A,Intercept]	1.05	1.11
r_set:arm[Peddocks.1_B,Intercept]	1.05	1.11
r_set:arm[Peddocks.1_C,Intercept]	1.05	1.11
r_set:arm[Peddocks.1_D,Intercept]	1.05	1.11
r_set:arm[Peddocks.2_A,Intercept]	1.00	1.00

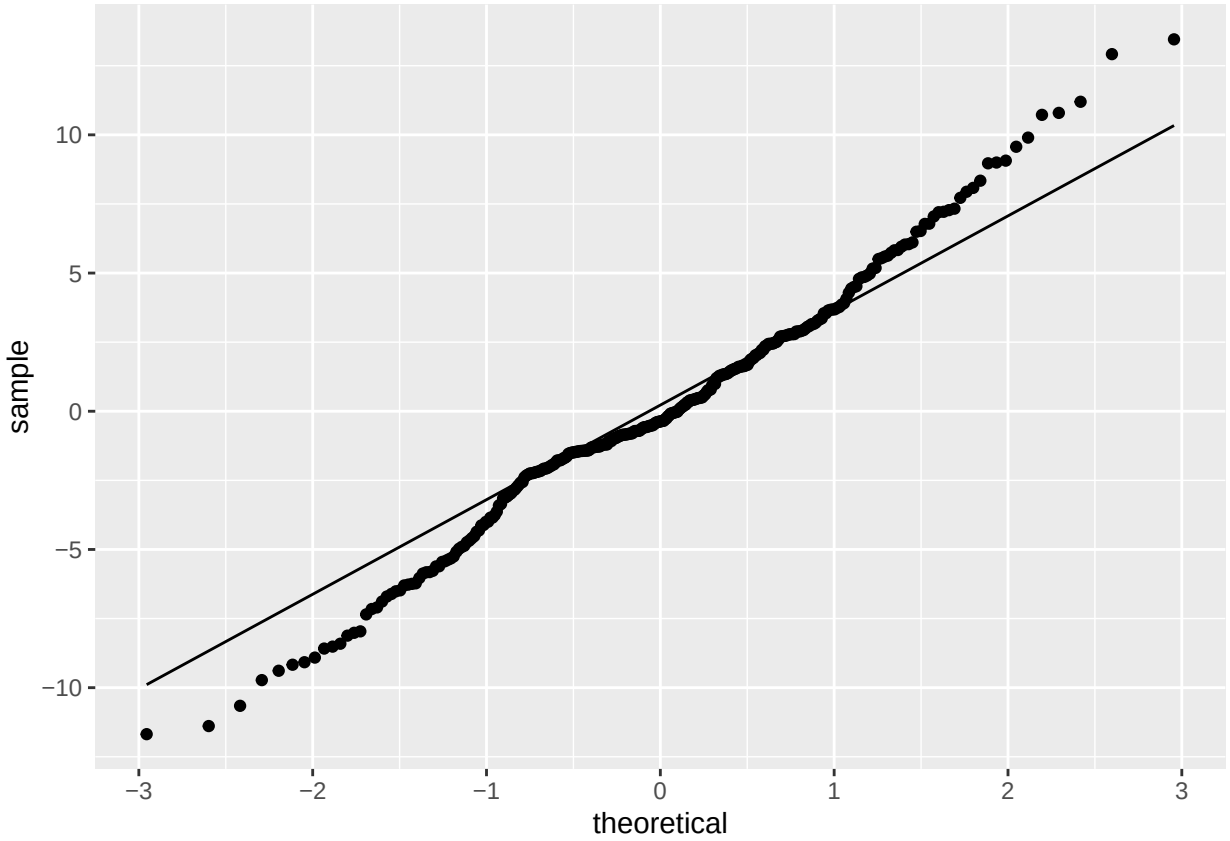
	Point est.	Upper C.I.
r_set:arm[Peddocks.2_B,Intercept]	1.00	1.00
r_set:arm[Peddocks.2_C,Intercept]	1.00	1.00
r_set:arm[Peddocks.2_D,Intercept]	1.00	1.00
r_set:arm[Peddocks.3_A,Intercept]	1.04	1.09
r_set:arm[Peddocks.3_B,Intercept]	1.05	1.09
r_set:arm[Peddocks.3_C,Intercept]	1.05	1.09
r_set:arm[Peddocks.3_D,Intercept]	1.05	1.09
r_set:arm[Peddocks.1_A,year]	1.00	1.01
r_set:arm[Peddocks.1_B,year]	1.00	1.00
r_set:arm[Peddocks.1_C,year]	1.00	1.00
r_set:arm[Peddocks.1_D,year]	1.00	1.00
r_set:arm[Peddocks.2_A,year]	1.00	1.00
r_set:arm[Peddocks.2_B,year]	1.00	1.00
r_set:arm[Peddocks.2_C,year]	1.00	1.00
r_set:arm[Peddocks.2_D,year]	1.00	1.00
r_set:arm[Peddocks.3_A,year]	1.00	1.00
r_set:arm[Peddocks.3_B,year]	1.00	1.00
r_set:arm[Peddocks.3_C,year]	1.00	1.00
r_set:arm[Peddocks.3_D,year]	1.00	1.00
lp___	1.01	1.01

Number of divergences: 0

BOHA: ThompsonIsland




residual
10
0
−10
0
100
200
300
observation id

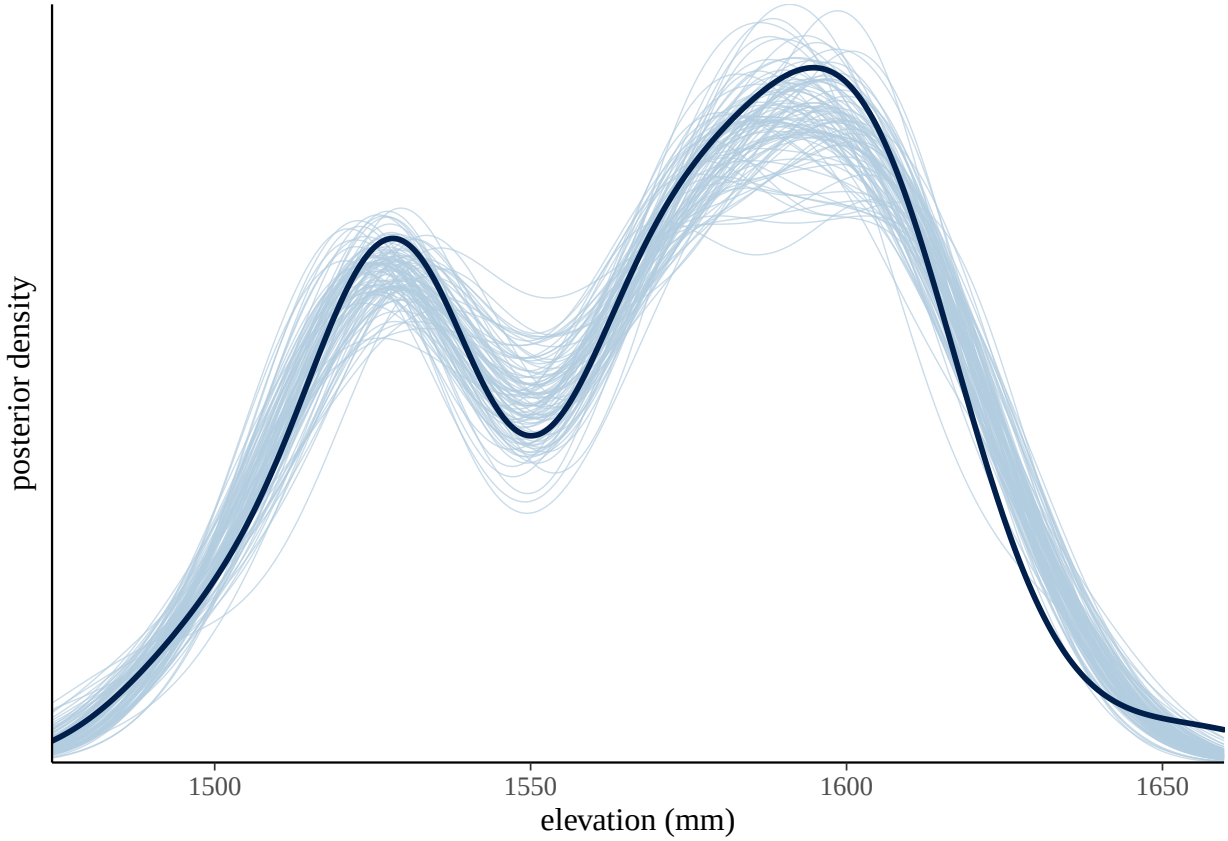


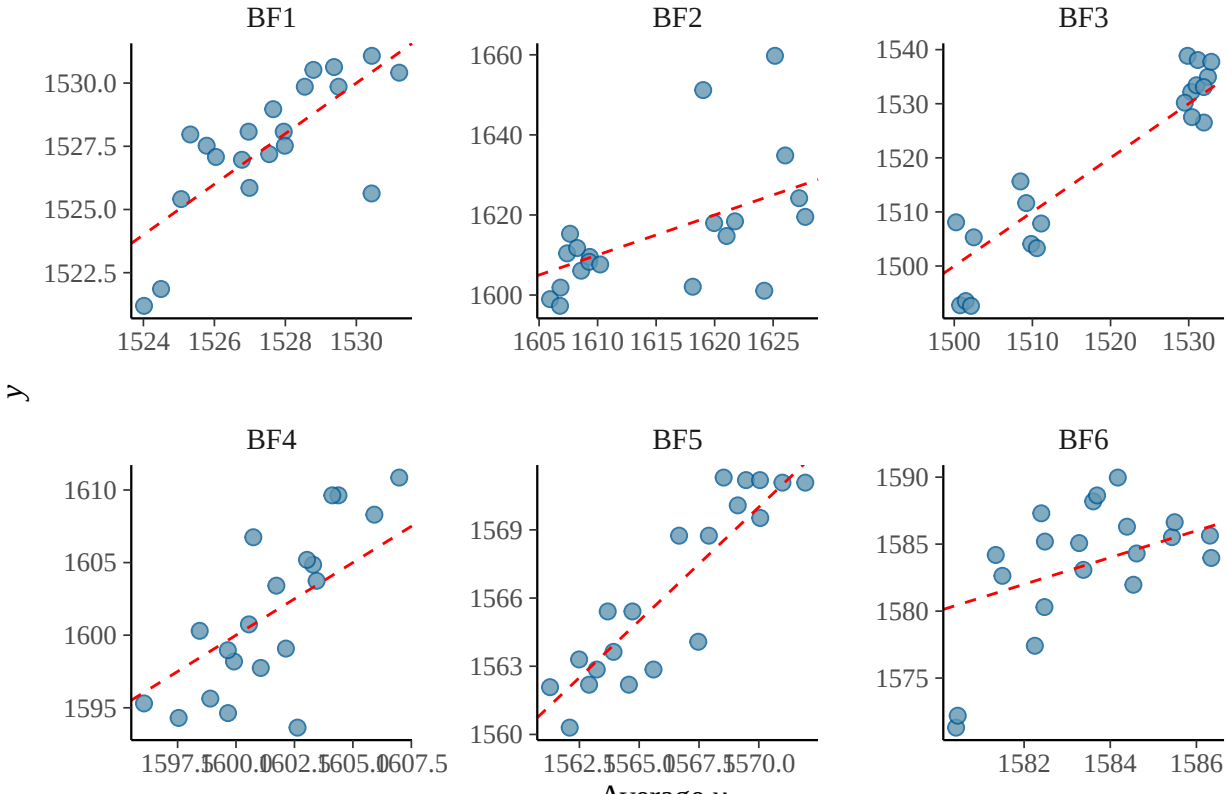
	Point est.	Upper C.I.
b_Intercept	1	1.01
b_year	1	1.01
sd_set__Intercept	1	1.00
sd_set__year	1	1.00
sd_set:arm__Intercept	1	1.00
sd_set:arm__year	1	1.00
cor_set__Intercept__year	1	1.00
cor_set:arm__Intercept__year	1	1.00
sigma	1	1.00
r_set[Thompson.1,Intercept]	1	1.01
r_set[Thompson.2,Intercept]	1	1.01
r_set[Thompson.3,Intercept]	1	1.01
r_set[Thompson.4,Intercept]	1	1.01
r_set[Thompson.1,year]	1	1.01
r_set[Thompson.2,year]	1	1.01
r_set[Thompson.3,year]	1	1.01
r_set[Thompson.4,year]	1	1.00
r_set:arm[Thompson.1_A,Intercept]	1	1.00
r_set:arm[Thompson.1_B,Intercept]	1	1.01
r_set:arm[Thompson.1_C,Intercept]	1	1.01

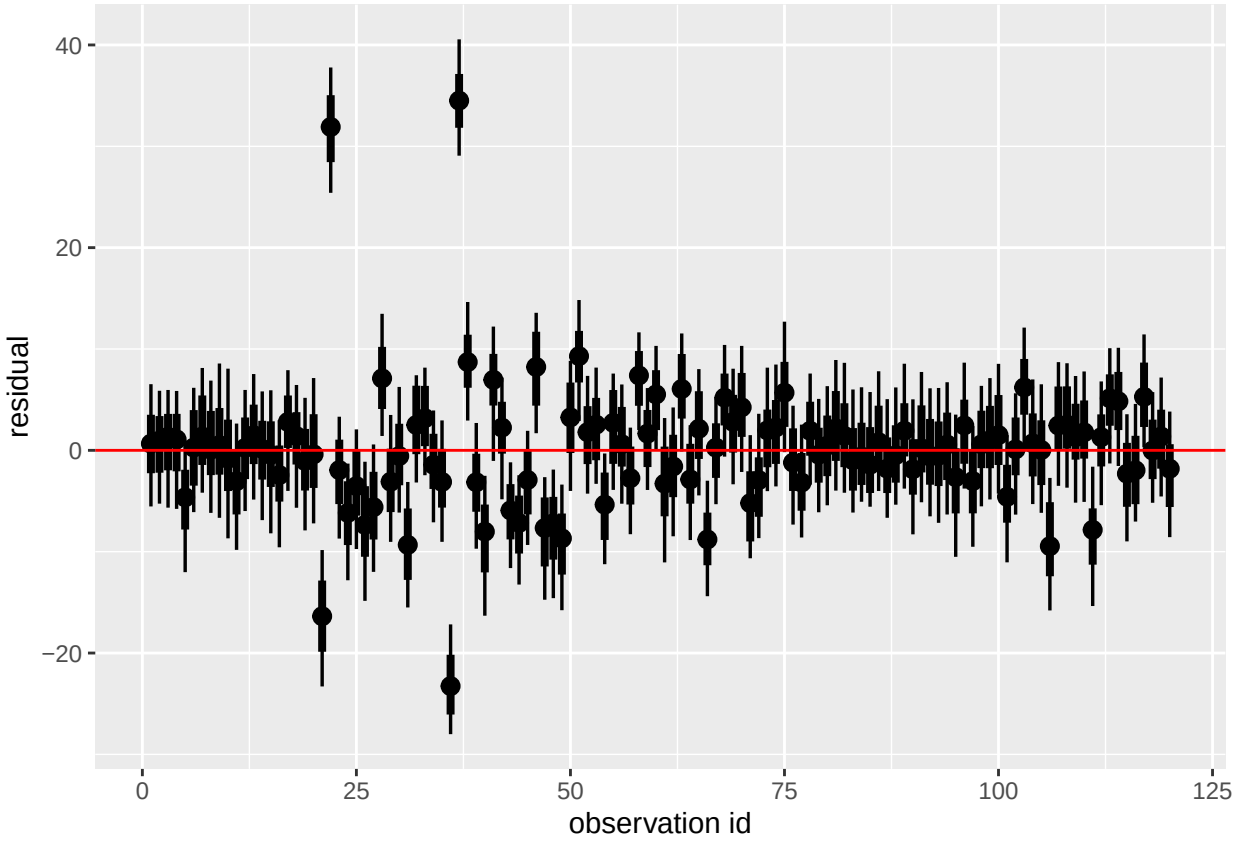
	Point est.	Upper C.I.
r_set:arm[Thompson.1_D,Intercept]	1	1.01
r_set:arm[Thompson.2_A,Intercept]	1	1.00
r_set:arm[Thompson.2_B,Intercept]	1	1.00
r_set:arm[Thompson.2_C,Intercept]	1	1.00
r_set:arm[Thompson.2_D,Intercept]	1	1.00
r_set:arm[Thompson.3_A,Intercept]	1	1.00
r_set:arm[Thompson.3_B,Intercept]	1	1.00
r_set:arm[Thompson.3_C,Intercept]	1	1.00
r_set:arm[Thompson.3_D,Intercept]	1	1.00
r_set:arm[Thompson.4_A,Intercept]	1	1.01
r_set:arm[Thompson.4_B,Intercept]	1	1.00
r_set:arm[Thompson.4_C,Intercept]	1	1.00
r_set:arm[Thompson.4_D,Intercept]	1	1.00
r_set:arm[Thompson.1_A,year]	1	1.01
r_set:arm[Thompson.1_B,year]	1	1.00
r_set:arm[Thompson.1_C,year]	1	1.00
r_set:arm[Thompson.1_D,year]	1	1.00
r_set:arm[Thompson.2_A,year]	1	1.00
r_set:arm[Thompson.2_B,year]	1	1.00
r_set:arm[Thompson.2_C,year]	1	1.00
r_set:arm[Thompson.2_D,year]	1	1.00
r_set:arm[Thompson.3_A,year]	1	1.00
r_set:arm[Thompson.3_B,year]	1	1.00
r_set:arm[Thompson.3_C,year]	1	1.00
r_set:arm[Thompson.3_D,year]	1	1.00
r_set:arm[Thompson.4_A,year]	1	1.00
r_set:arm[Thompson.4_B,year]	1	1.00
r_set:arm[Thompson.4_C,year]	1	1.00
r_set:arm[Thompson.4_D,year]	1	1.00
lp___	1	1.00

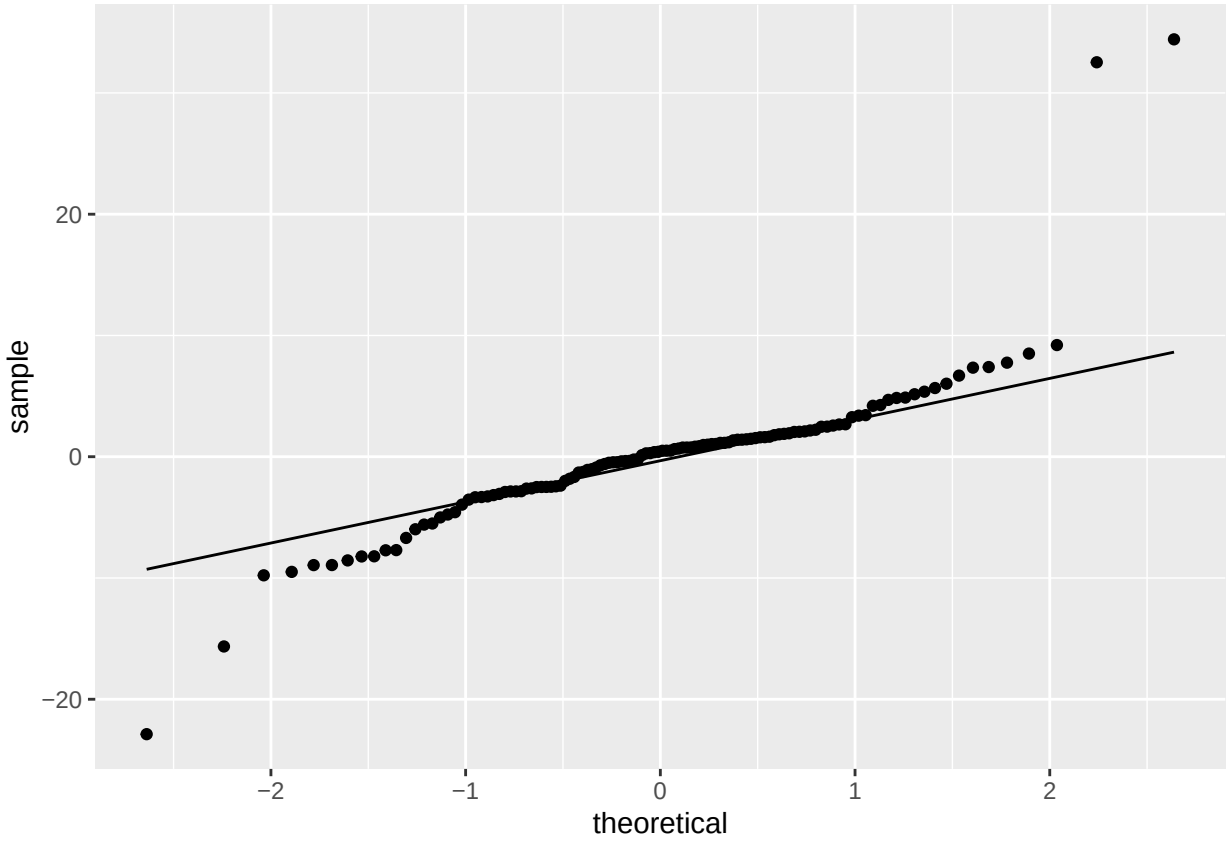
Number of divergences: 0

CACO: BlackfishCreek






40
20
0
−20
residual
0
25
50
75
100
125
observation id



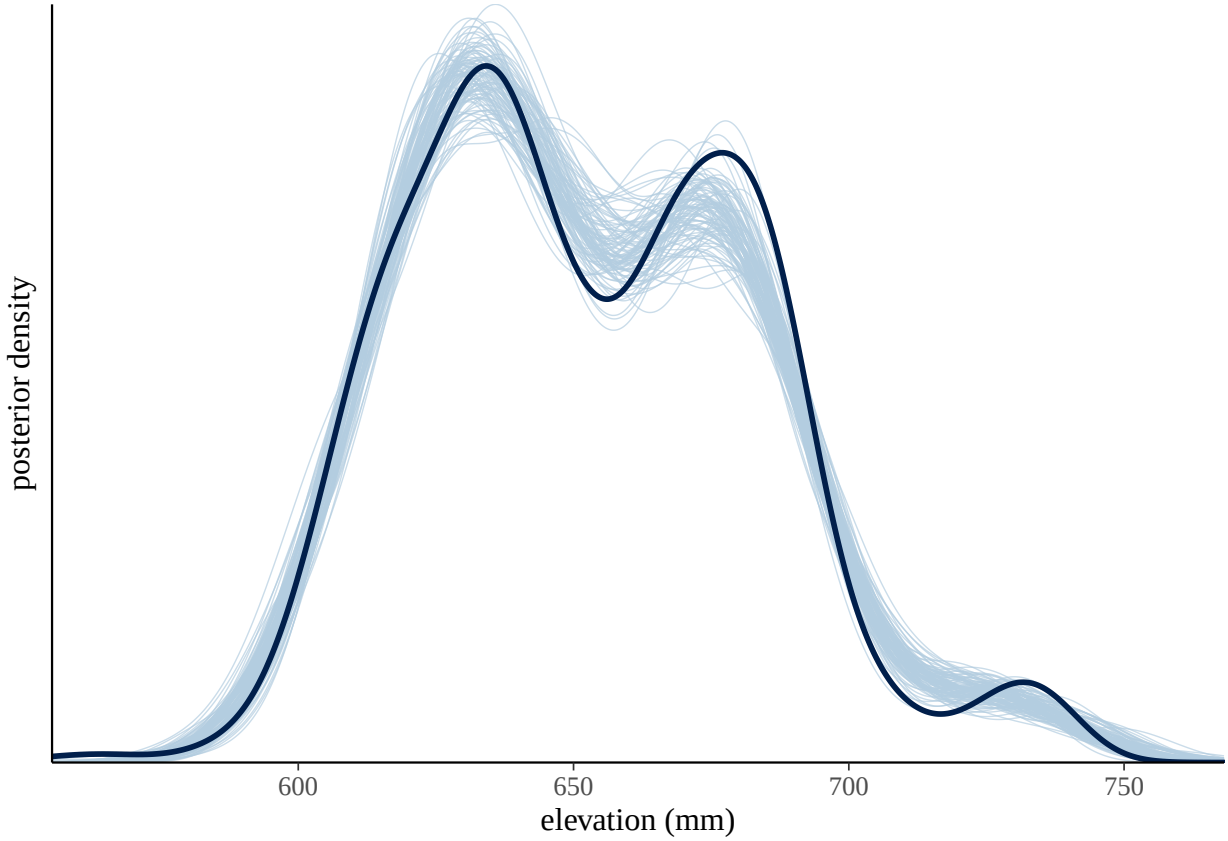
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.00	1.00
sd_set__year	1.00	1.00
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[BF1,Intercept]	1.00	1.01
r_set[BF2,Intercept]	1.00	1.01
r_set[BF3,Intercept]	1.00	1.01
r_set[BF4,Intercept]	1.00	1.01
r_set[BF5,Intercept]	1.00	1.01
r_set[BF6,Intercept]	1.00	1.01
r_set[BF1,year]	1.00	1.00
r_set[BF2,year]	1.00	1.00
r_set[BF3,year]	1.00	1.00
r_set[BF4,year]	1.00	1.00
r_set[BF5,year]	1.00	1.01

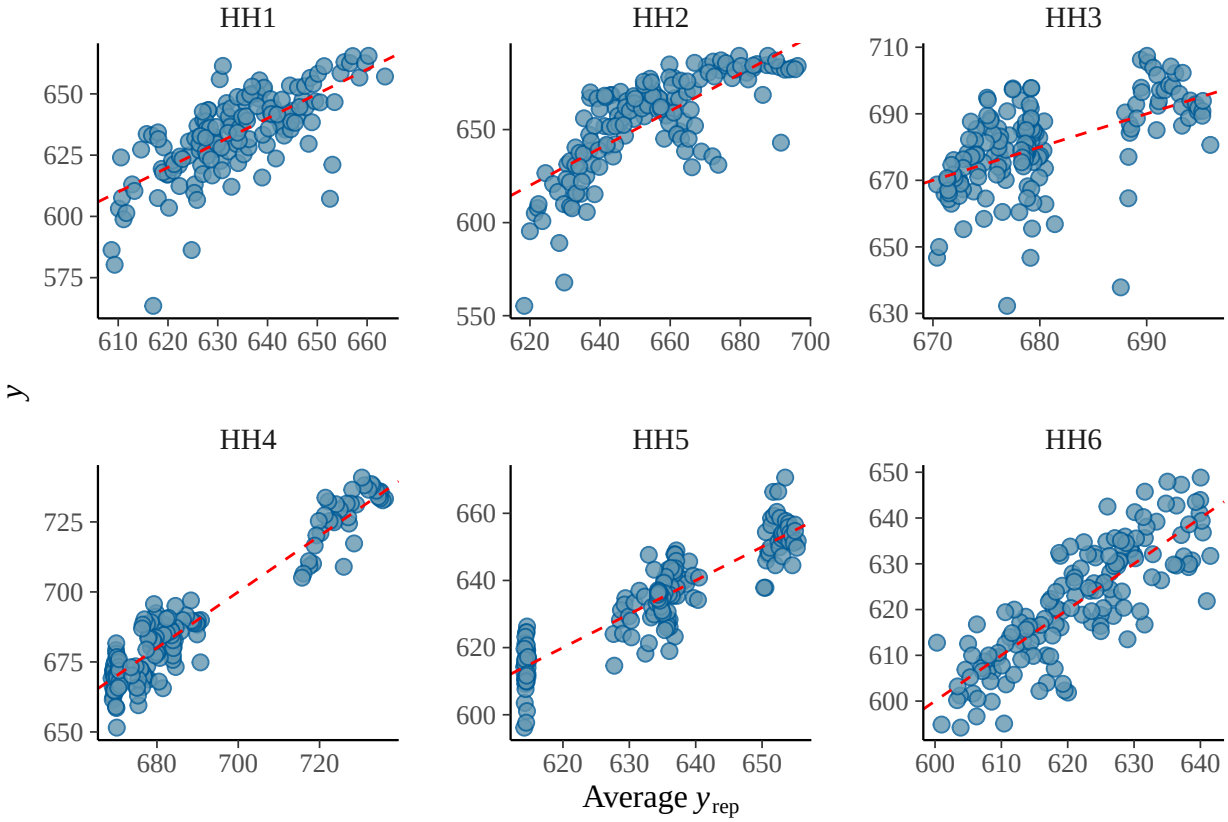
	Point est.	Upper C.I.
r_set[BF6,year]	1.00	1.00
r_set:arm[BF1_A,Intercept]	1.00	1.01
r_set:arm[BF1_B,Intercept]	1.00	1.01
r_set:arm[BF1_C,Intercept]	1.00	1.00
r_set:arm[BF1_D,Intercept]	1.00	1.01
r_set:arm[BF2_A,Intercept]	1.00	1.00
r_set:arm[BF2_B,Intercept]	1.00	1.00
r_set:arm[BF2_C,Intercept]	1.00	1.00
r_set:arm[BF2_D,Intercept]	1.00	1.00
r_set:arm[BF3_A,Intercept]	1.00	1.01
r_set:arm[BF3_B,Intercept]	1.00	1.00
r_set:arm[BF3_C,Intercept]	1.00	1.00
r_set:arm[BF3_D,Intercept]	1.00	1.00
r_set:arm[BF4_A,Intercept]	1.00	1.00
r_set:arm[BF4_B,Intercept]	1.00	1.00
r_set:arm[BF4_C,Intercept]	1.00	1.01
r_set:arm[BF4_D,Intercept]	1.00	1.00
r_set:arm[BF5_A,Intercept]	1.00	1.00
r_set:arm[BF5_B,Intercept]	1.00	1.00
r_set:arm[BF5_C,Intercept]	1.00	1.00
r_set:arm[BF5_D,Intercept]	1.00	1.00
r_set:arm[BF6_A,Intercept]	1.00	1.00
r_set:arm[BF6_B,Intercept]	1.00	1.00
r_set:arm[BF6_C,Intercept]	1.00	1.00
r_set:arm[BF6_D,Intercept]	1.00	1.00
r_set:arm[BF1_A,year]	1.00	1.00
r_set:arm[BF1_B,year]	1.00	1.00
r_set:arm[BF1_C,year]	1.00	1.00
r_set:arm[BF1_D,year]	1.00	1.00
r_set:arm[BF2_A,year]	1.00	1.00
r_set:arm[BF2_B,year]	1.00	1.01
r_set:arm[BF2_C,year]	1.00	1.01
r_set:arm[BF2_D,year]	1.00	1.00
r_set:arm[BF3_A,year]	1.00	1.00
r_set:arm[BF3_B,year]	1.00	1.00
r_set:arm[BF3_C,year]	1.00	1.00
r_set:arm[BF3_D,year]	1.00	1.00
r_set:arm[BF4_A,year]	1.00	1.00
r_set:arm[BF4_B,year]	1.00	1.00
r_set:arm[BF4_C,year]	1.01	1.01
r_set:arm[BF4_D,year]	1.00	1.00
r_set:arm[BF5_A,year]	1.00	1.00
r_set:arm[BF5_B,year]	1.00	1.00

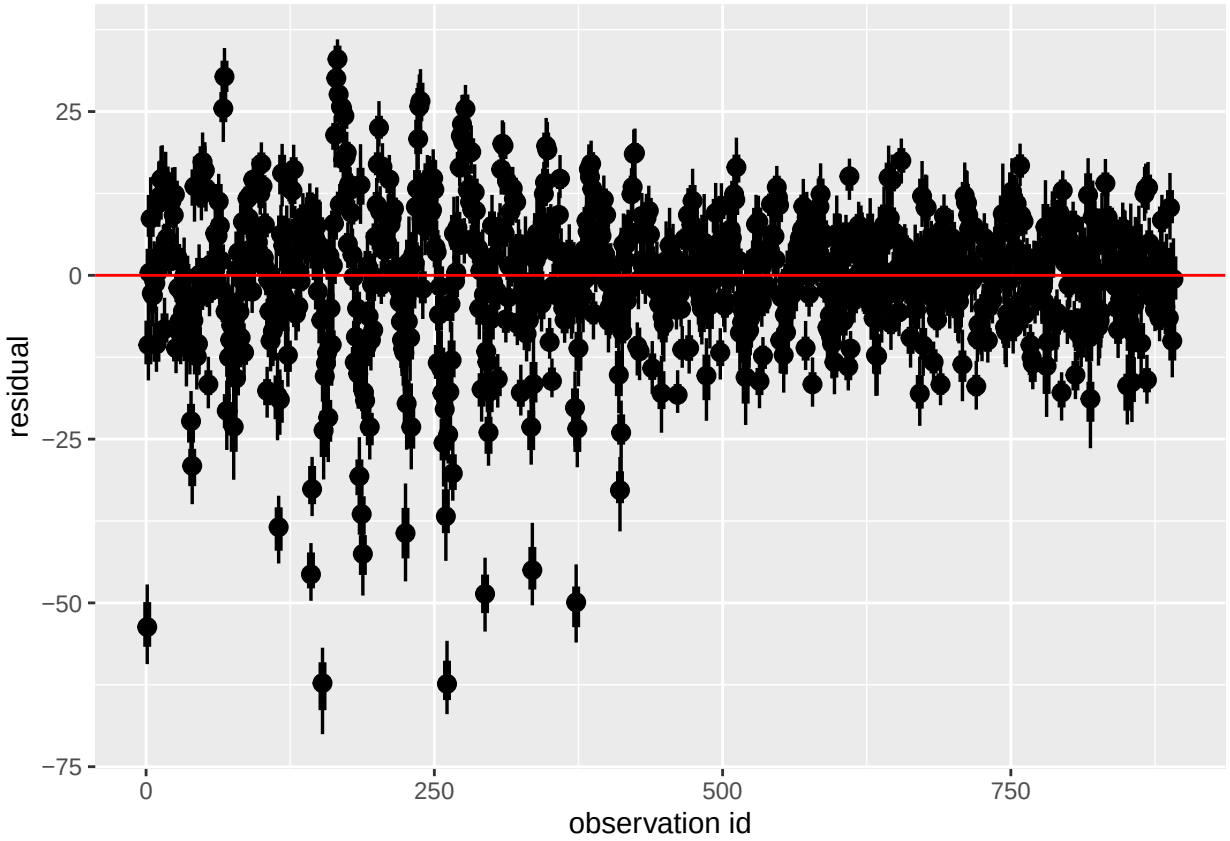
	Point est.	Upper C.I.
r_set:arm[BF5_C,year]	1.00	1.00
r_set:arm[BF5_D,year]	1.00	1.00
r_set:arm[BF6_A,year]	1.00	1.00
r_set:arm[BF6_B,year]	1.00	1.00
r_set:arm[BF6_C,year]	1.00	1.00
r_set:arm[BF6_D,year]	1.00	1.00
lp___	1.00	1.00

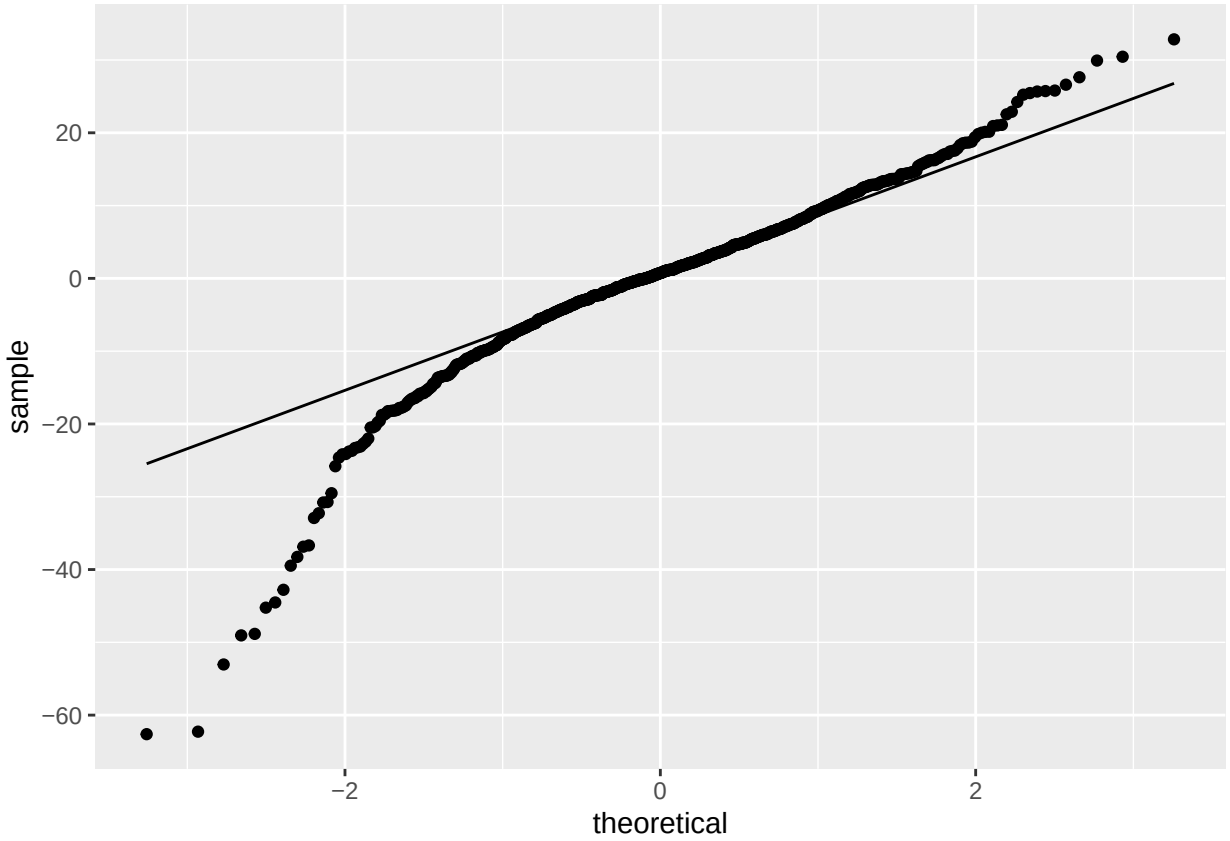
Number of divergences: 0

CACO: HatchesHarborDoubleH1






25
0
−25
−50
−75
residual
0
250
500
750
observation id



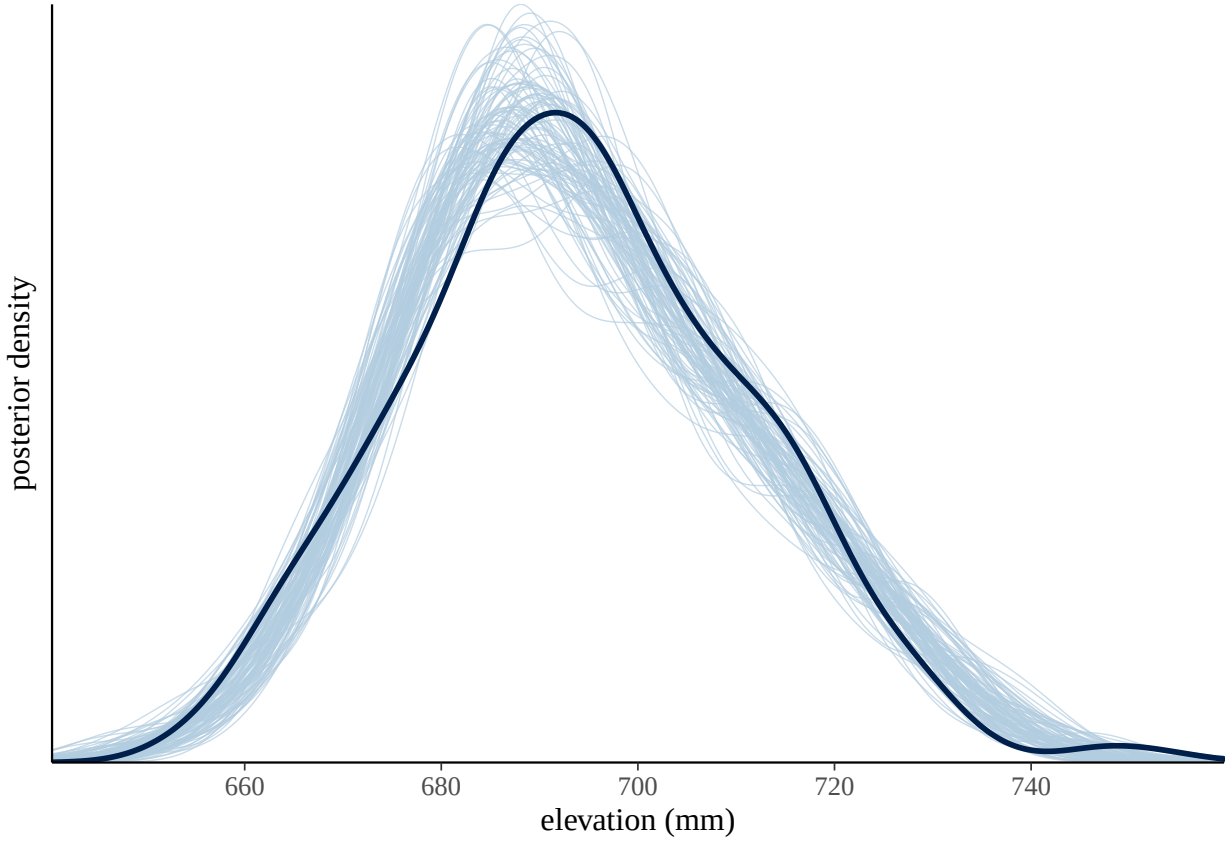
	Point est.	Upper C.I.
b_Intercept	1.02	1.04
b_year	1.00	1.00
sd_set__Intercept	1.05	1.06
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[HH1,Intercept]	1.01	1.02
r_set[HH2,Intercept]	1.02	1.03
r_set[HH3,Intercept]	1.02	1.03
r_set[HH4,Intercept]	1.02	1.04
r_set[HH5,Intercept]	1.02	1.03
r_set[HH6,Intercept]	1.02	1.03
r_set[HH1,year]	1.00	1.00
r_set[HH2,year]	1.00	1.00
r_set[HH3,year]	1.00	1.00
r_set[HH4,year]	1.00	1.00
r_set[HH5,year]	1.00	1.00

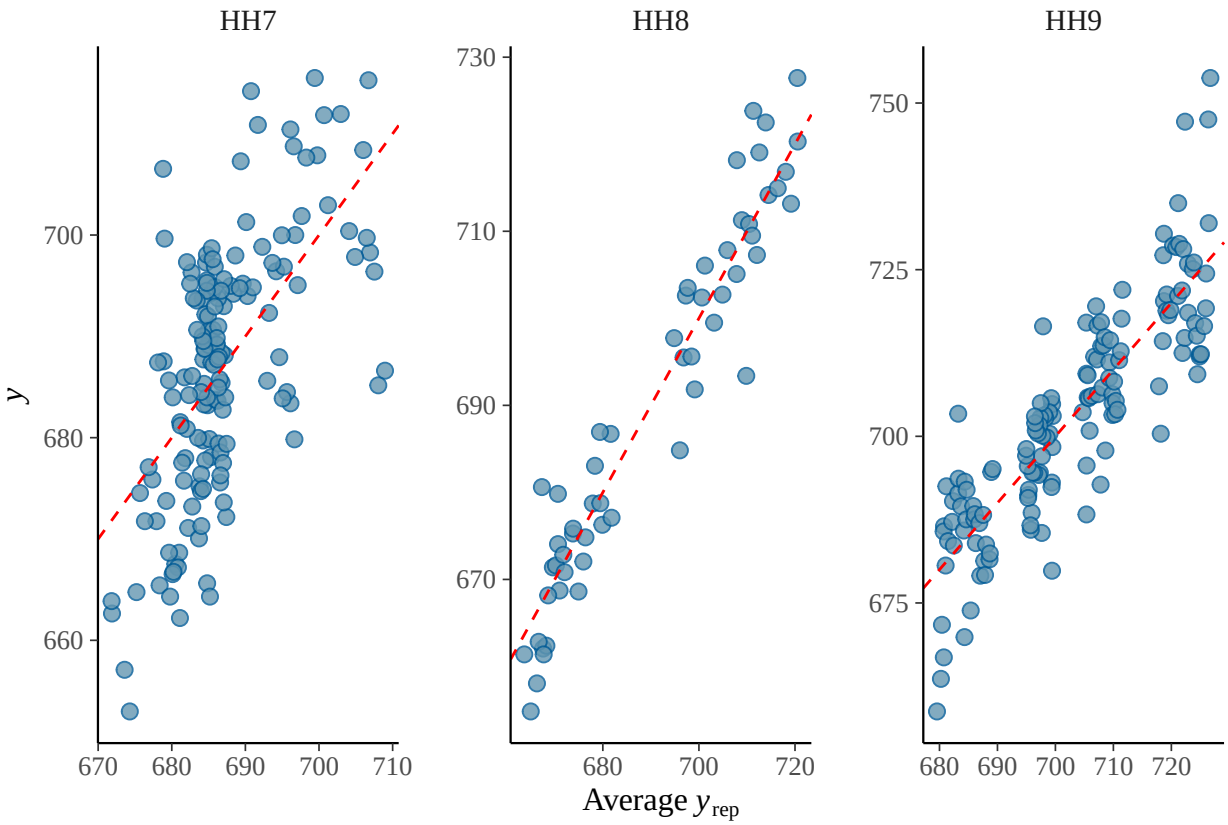
	Point est.	Upper C.I.
r_set[HH6,year]	1.00	1.00
r_set:arm[HH1_A,Intercept]	1.00	1.00
r_set:arm[HH1_B,Intercept]	1.00	1.01
r_set:arm[HH1_C,Intercept]	1.00	1.00
r_set:arm[HH1_D,Intercept]	1.00	1.00
r_set:arm[HH2_A,Intercept]	1.00	1.00
r_set:arm[HH2_B,Intercept]	1.00	1.00
r_set:arm[HH2_C,Intercept]	1.00	1.00
r_set:arm[HH2_D,Intercept]	1.00	1.00
r_set:arm[HH3_A,Intercept]	1.00	1.00
r_set:arm[HH3_B,Intercept]	1.00	1.00
r_set:arm[HH3_C,Intercept]	1.00	1.00
r_set:arm[HH3_D,Intercept]	1.00	1.00
r_set:arm[HH4_A,Intercept]	1.00	1.01
r_set:arm[HH4_B,Intercept]	1.00	1.01
r_set:arm[HH4_C,Intercept]	1.00	1.01
r_set:arm[HH4_D,Intercept]	1.00	1.01
r_set:arm[HH5_A,Intercept]	1.00	1.00
r_set:arm[HH5_B,Intercept]	1.00	1.00
r_set:arm[HH5_C,Intercept]	1.00	1.00
r_set:arm[HH5_D,Intercept]	1.00	1.00
r_set:arm[HH6_A,Intercept]	1.00	1.00
r_set:arm[HH6_B,Intercept]	1.00	1.01
r_set:arm[HH6_C,Intercept]	1.00	1.01
r_set:arm[HH6_D,Intercept]	1.00	1.00
r_set:arm[HH1_A,year]	1.00	1.01
r_set:arm[HH1_B,year]	1.00	1.01
r_set:arm[HH1_C,year]	1.00	1.00
r_set:arm[HH1_D,year]	1.00	1.00
r_set:arm[HH2_A,year]	1.00	1.00
r_set:arm[HH2_B,year]	1.00	1.00
r_set:arm[HH2_C,year]	1.00	1.00
r_set:arm[HH2_D,year]	1.00	1.00
r_set:arm[HH3_A,year]	1.00	1.00
r_set:arm[HH3_B,year]	1.00	1.00
r_set:arm[HH3_C,year]	1.00	1.00
r_set:arm[HH3_D,year]	1.00	1.00
r_set:arm[HH4_A,year]	1.00	1.00
r_set:arm[HH4_B,year]	1.00	1.00
r_set:arm[HH4_C,year]	1.00	1.00
r_set:arm[HH4_D,year]	1.00	1.00
r_set:arm[HH5_A,year]	1.00	1.00
r_set:arm[HH5_B,year]	1.00	1.01

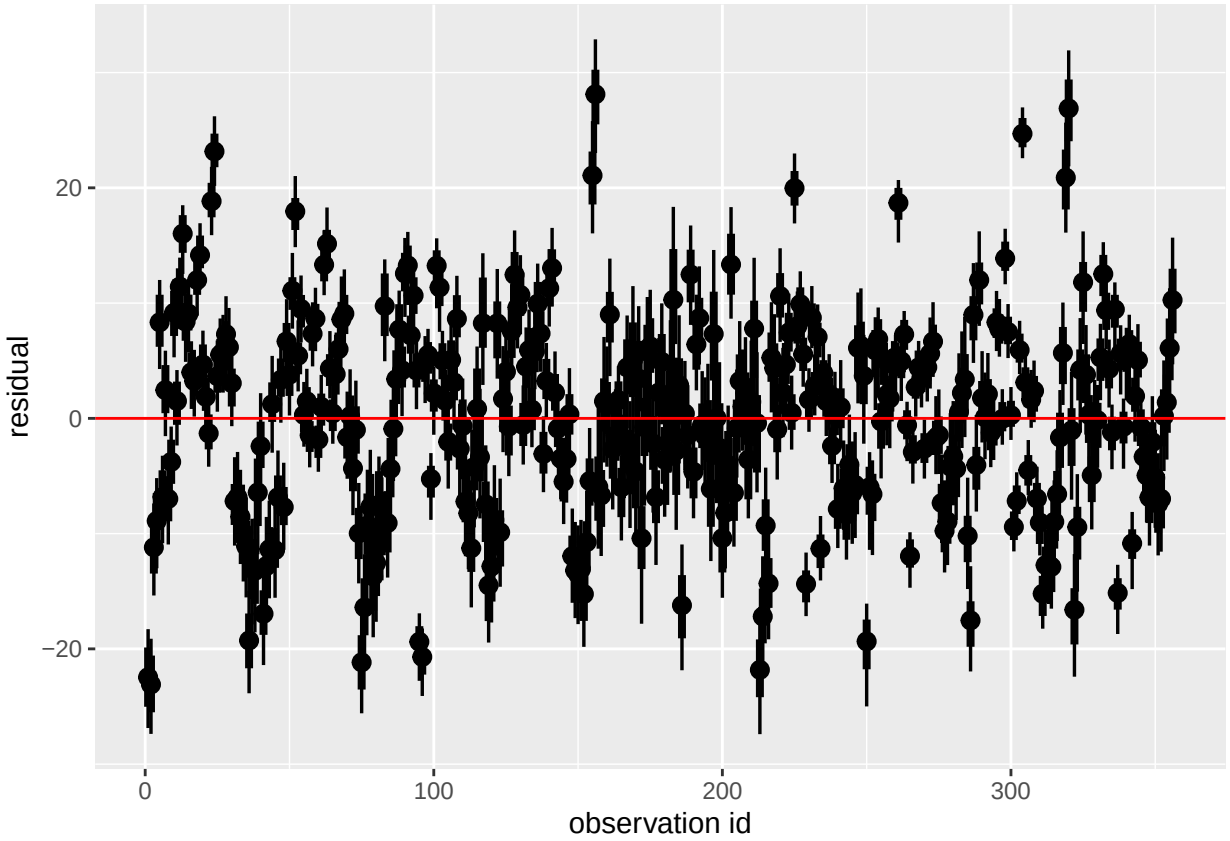
	Point est.	Upper C.I.
r_set:arm[HH5_C,year]	1.00	1.00
r_set:arm[HH5_D,year]	1.00	1.00
r_set:arm[HH6_A,year]	1.00	1.00
r_set:arm[HH6_B,year]	1.00	1.00
r_set:arm[HH6_C,year]	1.00	1.00
r_set:arm[HH6_D,year]	1.00	1.01
lp___	1.00	1.00

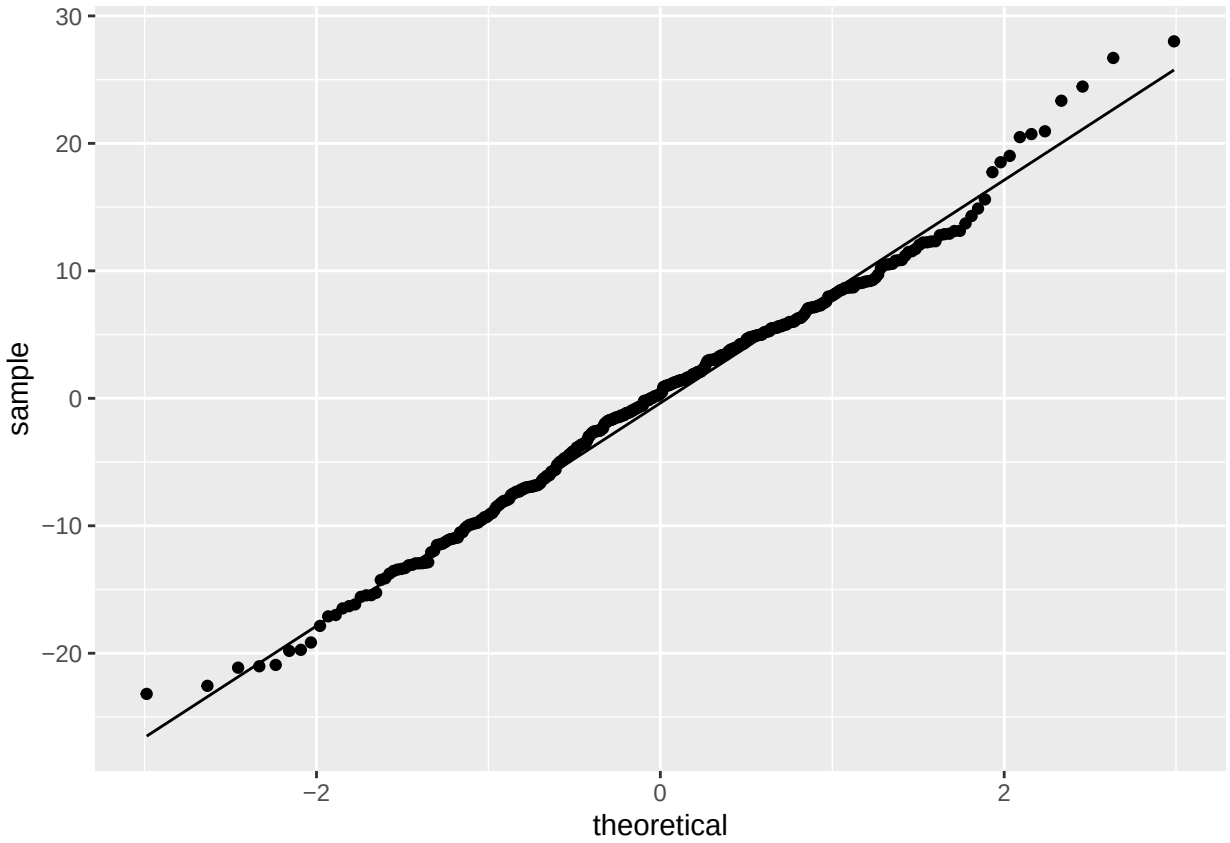
Number of divergences: 0

CACO: HatchesHarborDoubleH2






residual
20
0
−20
0
100
200
300
observation id

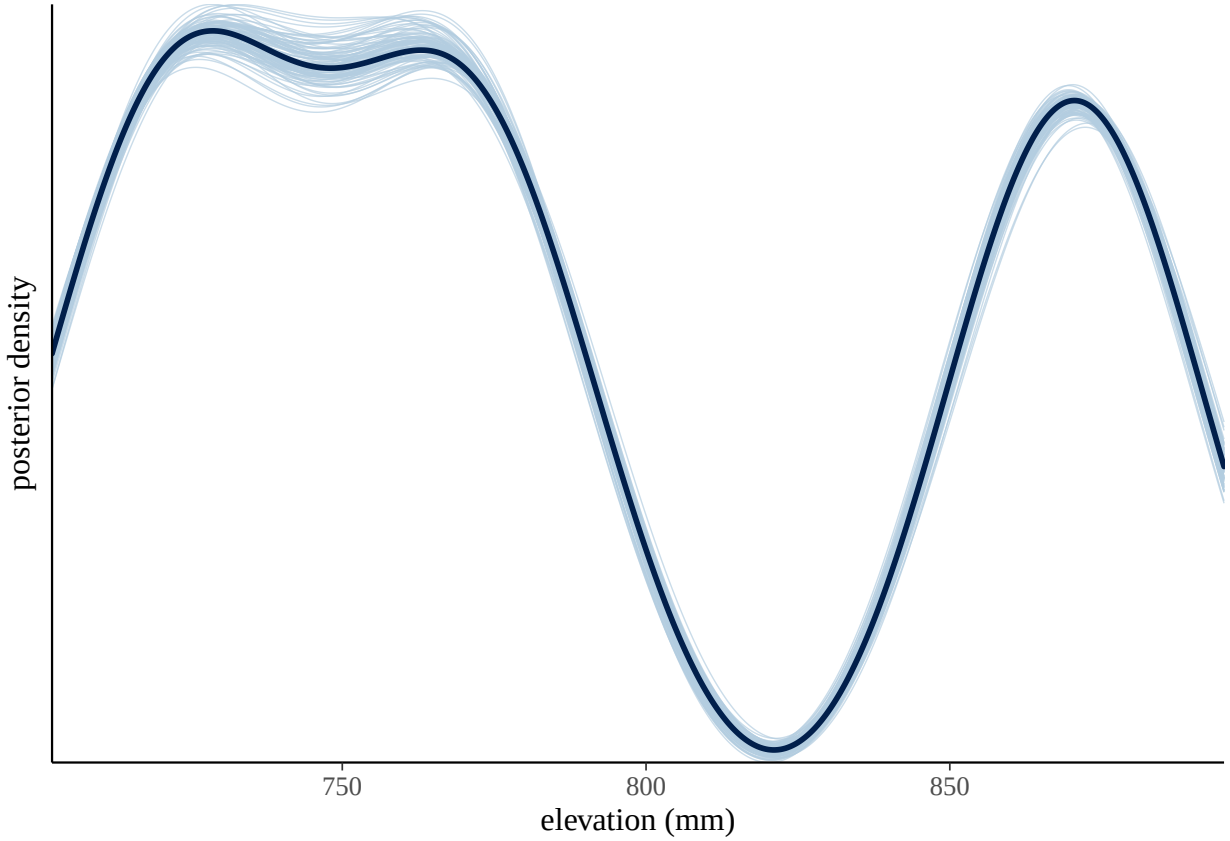


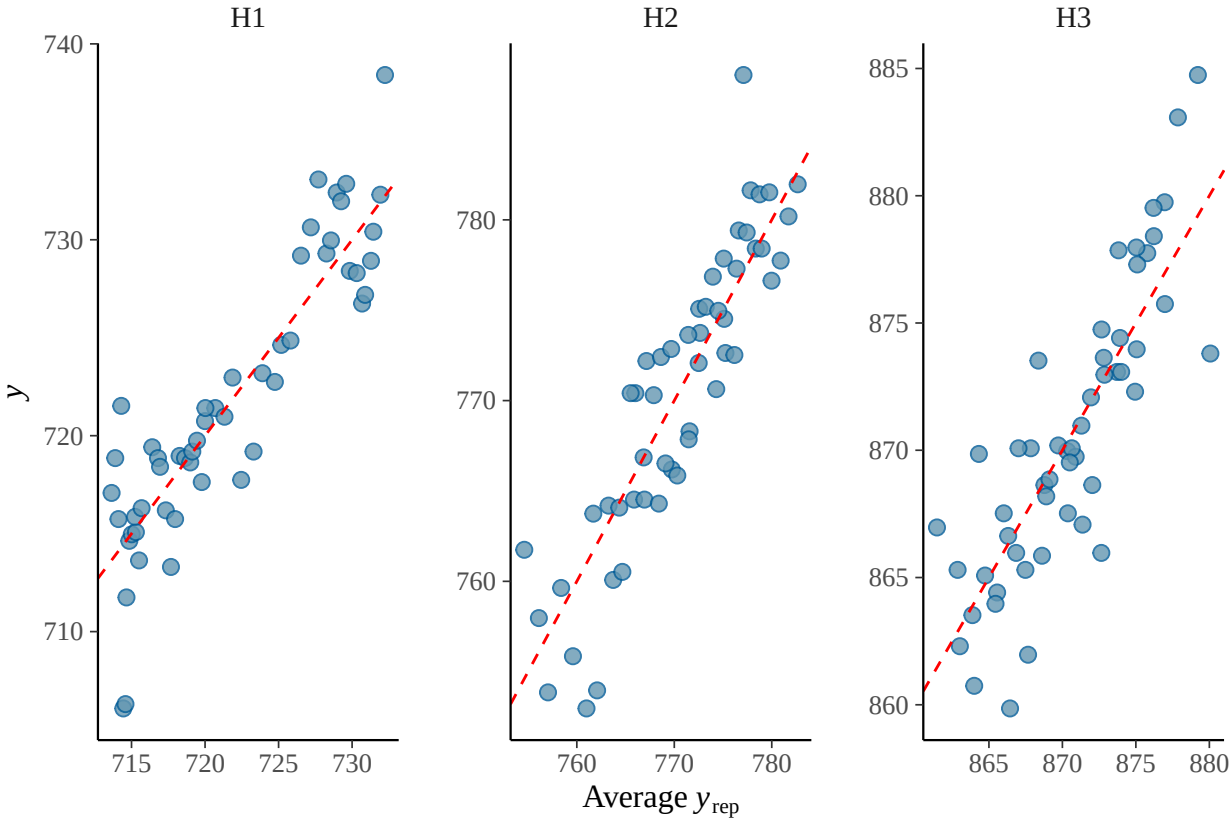
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.01	1.01
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.01
r_set[HH7,Intercept]	1.02	1.02
r_set[HH8,Intercept]	1.02	1.02
r_set[HH9,Intercept]	1.04	1.04
r_set[HH7,year]	1.00	1.00
r_set[HH8,year]	1.00	1.00
r_set[HH9,year]	1.00	1.00
r_set:arm[HH7_A,Intercept]	1.00	1.01
r_set:arm[HH7_B,Intercept]	1.00	1.01
r_set:arm[HH7_C,Intercept]	1.00	1.00
r_set:arm[HH7_D,Intercept]	1.00	1.01
r_set:arm[HH8_A,Intercept]	1.00	1.00

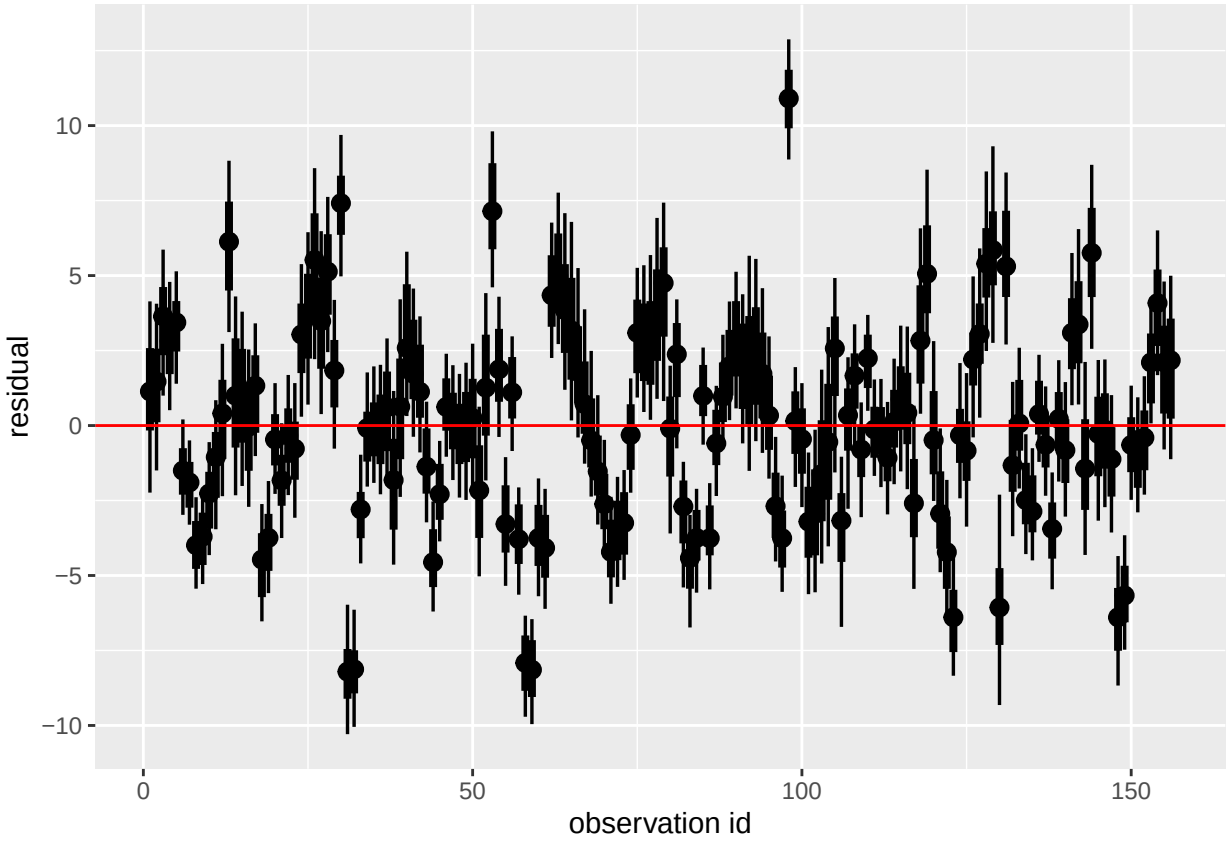
	Point est.	Upper C.I.
r_set:arm[HH8_B,Intercept]	1.00	1.00
r_set:arm[HH8_C,Intercept]	1.00	1.00
r_set:arm[HH8_D,Intercept]	1.00	1.00
r_set:arm[HH9_A,Intercept]	1.00	1.00
r_set:arm[HH9_B,Intercept]	1.00	1.01
r_set:arm[HH9_C,Intercept]	1.00	1.00
r_set:arm[HH9_D,Intercept]	1.00	1.00
r_set:arm[HH7_A,year]	1.00	1.00
r_set:arm[HH7_B,year]	1.00	1.00
r_set:arm[HH7_C,year]	1.00	1.00
r_set:arm[HH7_D,year]	1.00	1.00
r_set:arm[HH8_A,year]	1.00	1.00
r_set:arm[HH8_B,year]	1.00	1.00
r_set:arm[HH8_C,year]	1.00	1.00
r_set:arm[HH8_D,year]	1.00	1.00
r_set:arm[HH9_A,year]	1.00	1.00
r_set:arm[HH9_B,year]	1.00	1.00
r_set:arm[HH9_C,year]	1.00	1.00
r_set:arm[HH9_D,year]	1.00	1.00
lp___	1.00	1.00

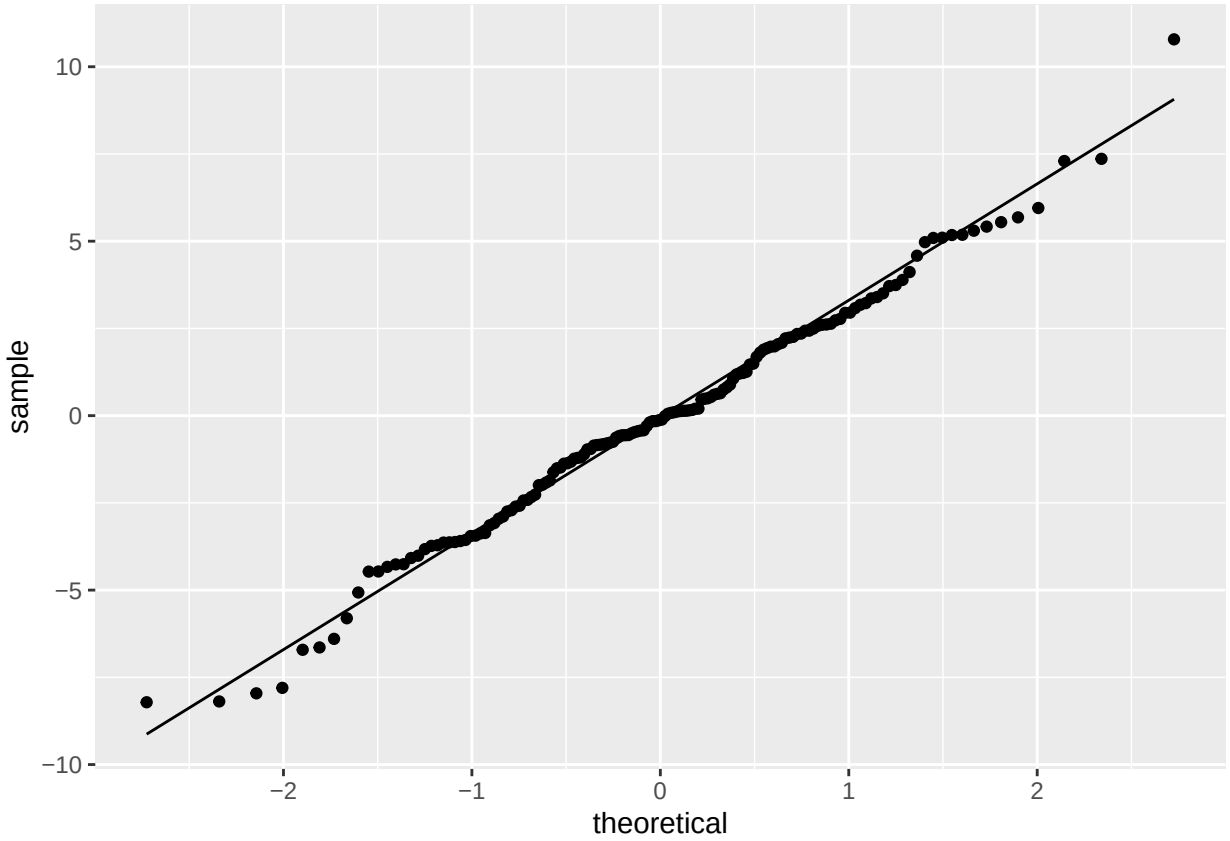
Number of divergences: 3

CACO: HatchesHarborH1






residual
10
5
0
−5
−10
0
50
100
150
observation id

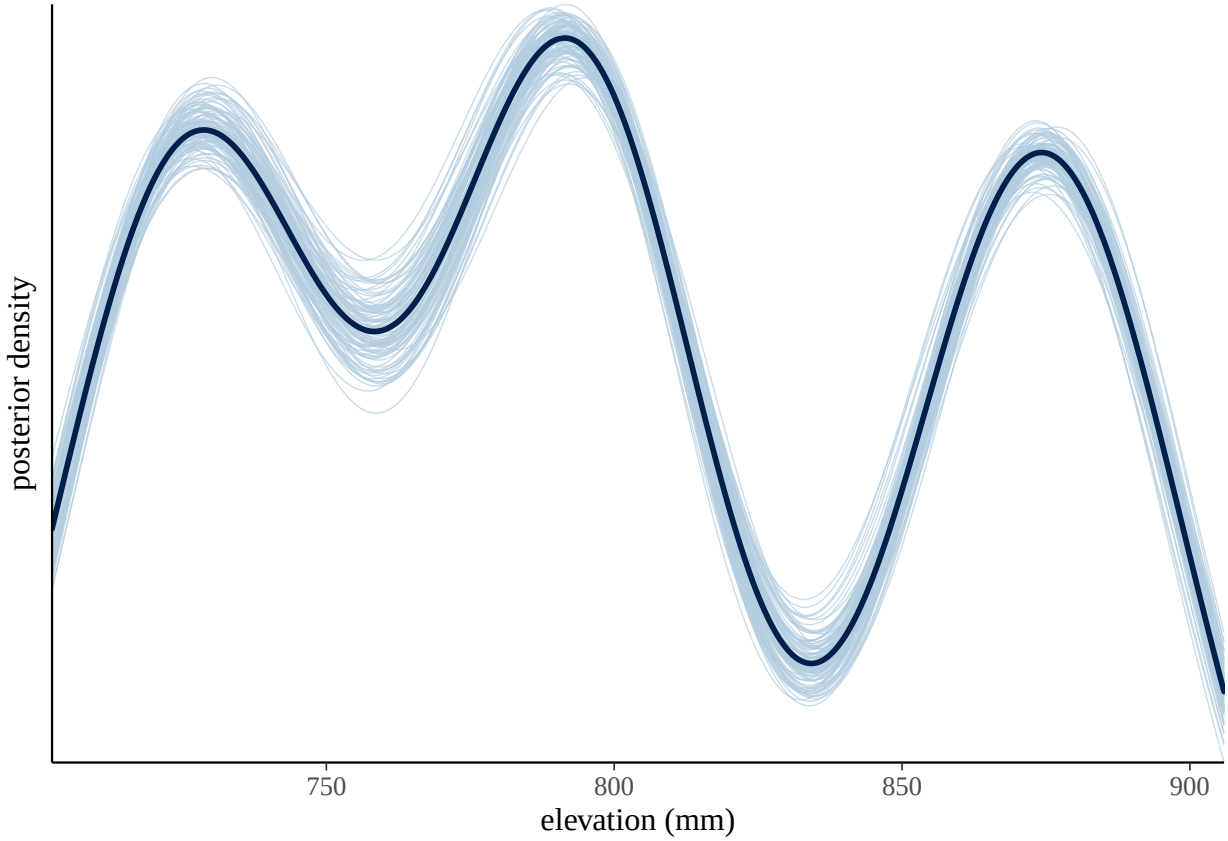


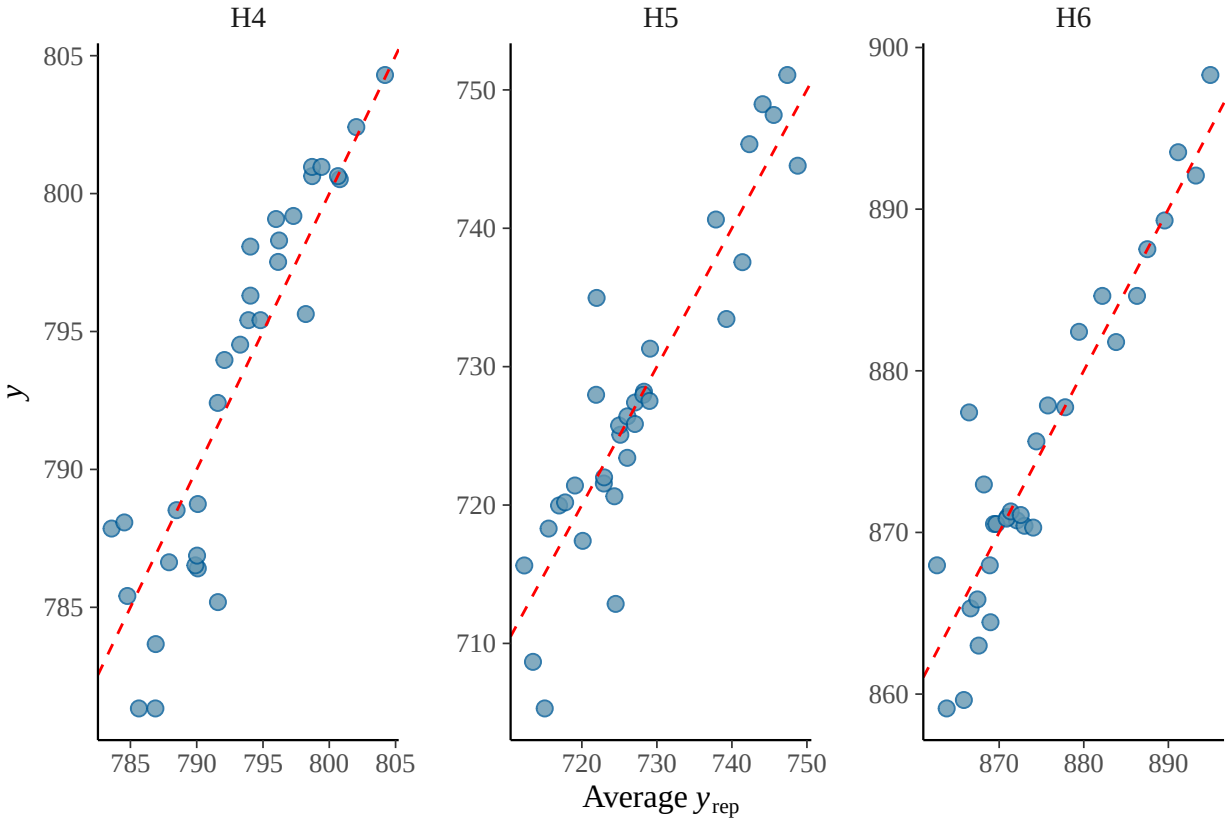
	Point est.	Upper C.I.
b_Intercept	1	1.00
b_year	1	1.00
sd_set__Intercept	1	1.01
sd_set__year	1	1.01
sd_set:arm__Intercept	1	1.00
sd_set:arm__year	1	1.00
cor_set__Intercept__year	1	1.00
cor_set:arm__Intercept__year	1	1.00
sigma	1	1.00
r_set[H1,Intercept]	1	1.00
r_set[H2,Intercept]	1	1.00
r_set[H3,Intercept]	1	1.00
r_set[H1,year]	1	1.00
r_set[H2,year]	1	1.00
r_set[H3,year]	1	1.00
r_set:arm[H1_A,Intercept]	1	1.00
r_set:arm[H1_B,Intercept]	1	1.00
r_set:arm[H1_C,Intercept]	1	1.00
r_set:arm[H1_D,Intercept]	1	1.00
r_set:arm[H2_A,Intercept]	1	1.00

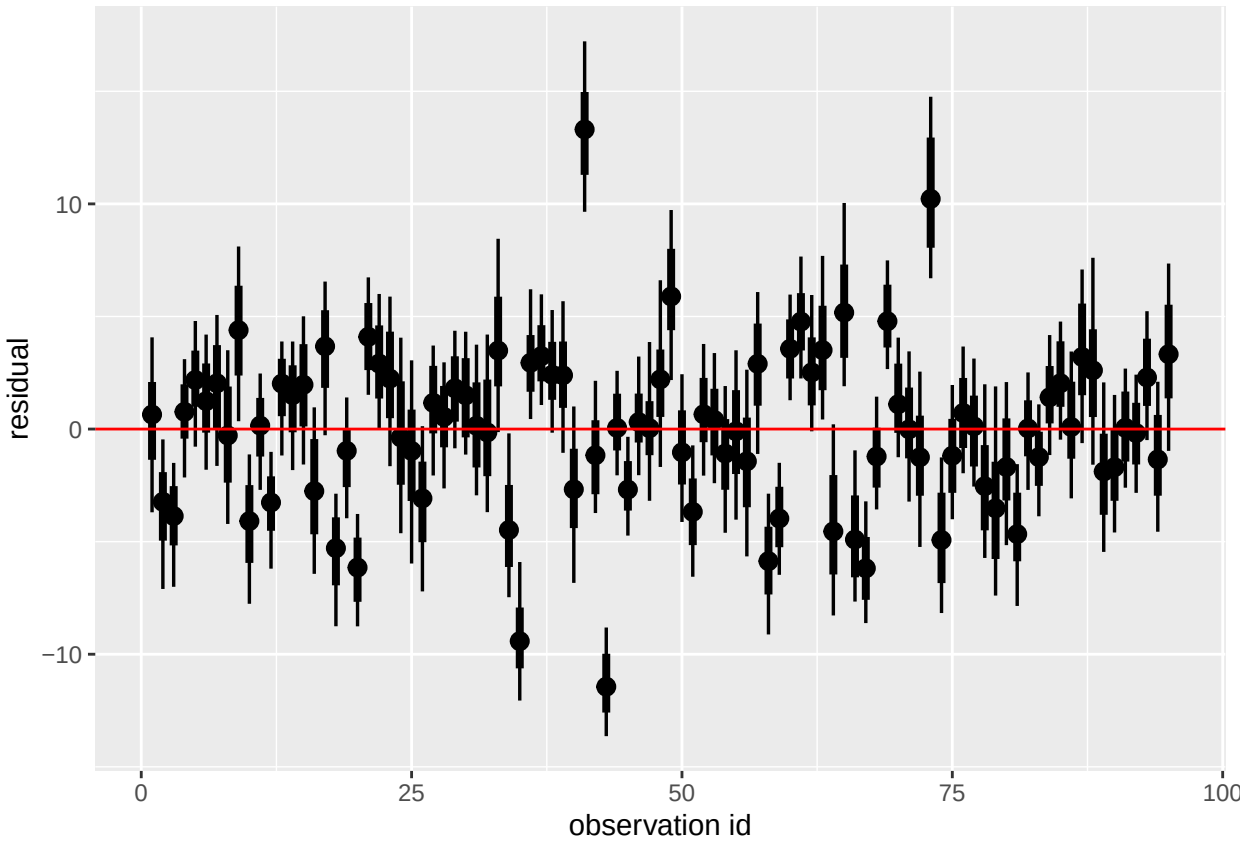
	Point est.	Upper C.I.
r_set:arm[H2_B,Intercept]	1	1.00
r_set:arm[H2_C,Intercept]	1	1.00
r_set:arm[H2_D,Intercept]	1	1.00
r_set:arm[H3_A,Intercept]	1	1.00
r_set:arm[H3_B,Intercept]	1	1.00
r_set:arm[H3_C,Intercept]	1	1.00
r_set:arm[H3_D,Intercept]	1	1.00
r_set:arm[H1_A,year]	1	1.00
r_set:arm[H1_B,year]	1	1.00
r_set:arm[H1_C,year]	1	1.00
r_set:arm[H1_D,year]	1	1.00
r_set:arm[H2_A,year]	1	1.00
r_set:arm[H2_B,year]	1	1.00
r_set:arm[H2_C,year]	1	1.00
r_set:arm[H2_D,year]	1	1.01
r_set:arm[H3_A,year]	1	1.00
r_set:arm[H3_B,year]	1	1.00
r_set:arm[H3_C,year]	1	1.00
r_set:arm[H3_D,year]	1	1.00
lp___	1	1.00

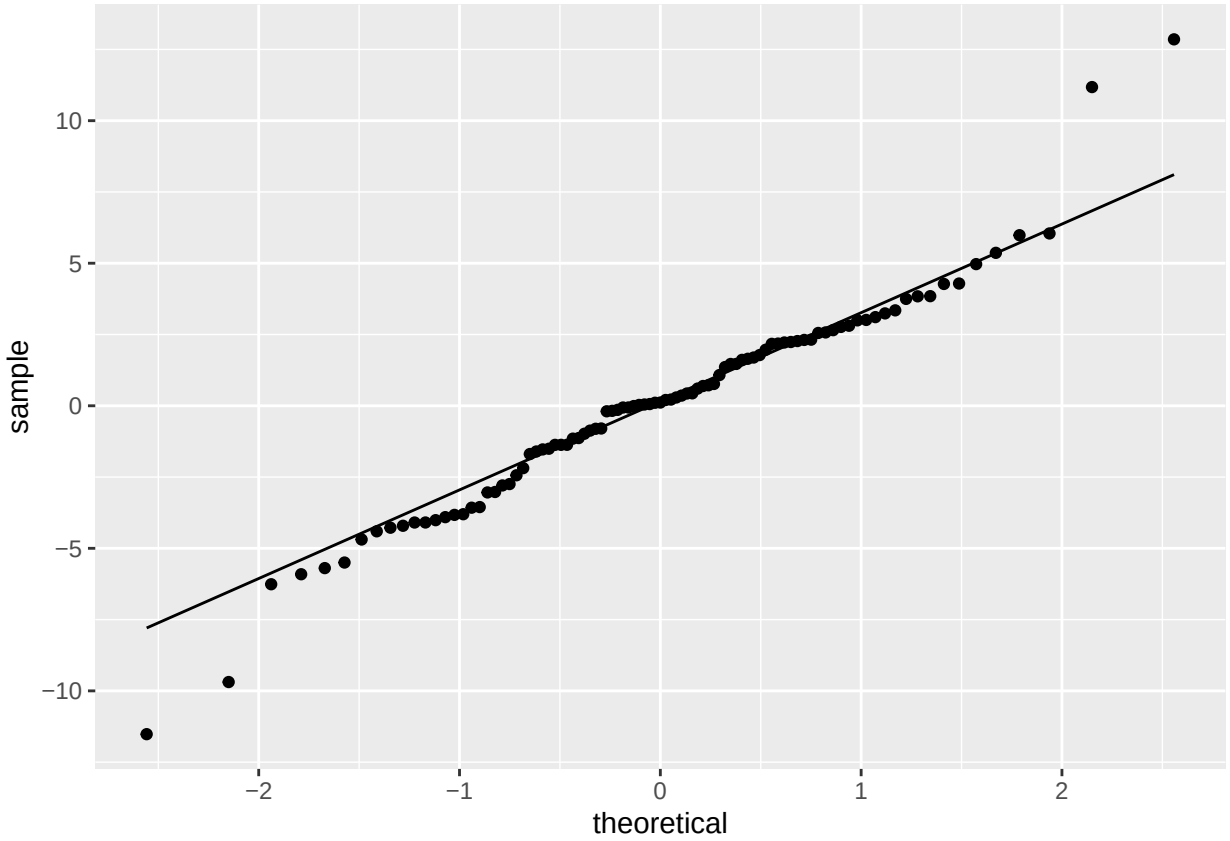
Number of divergences: 0

CACO: HatchesHarborH2






residual
10
0
−10
0
25
50
75
100
observation id

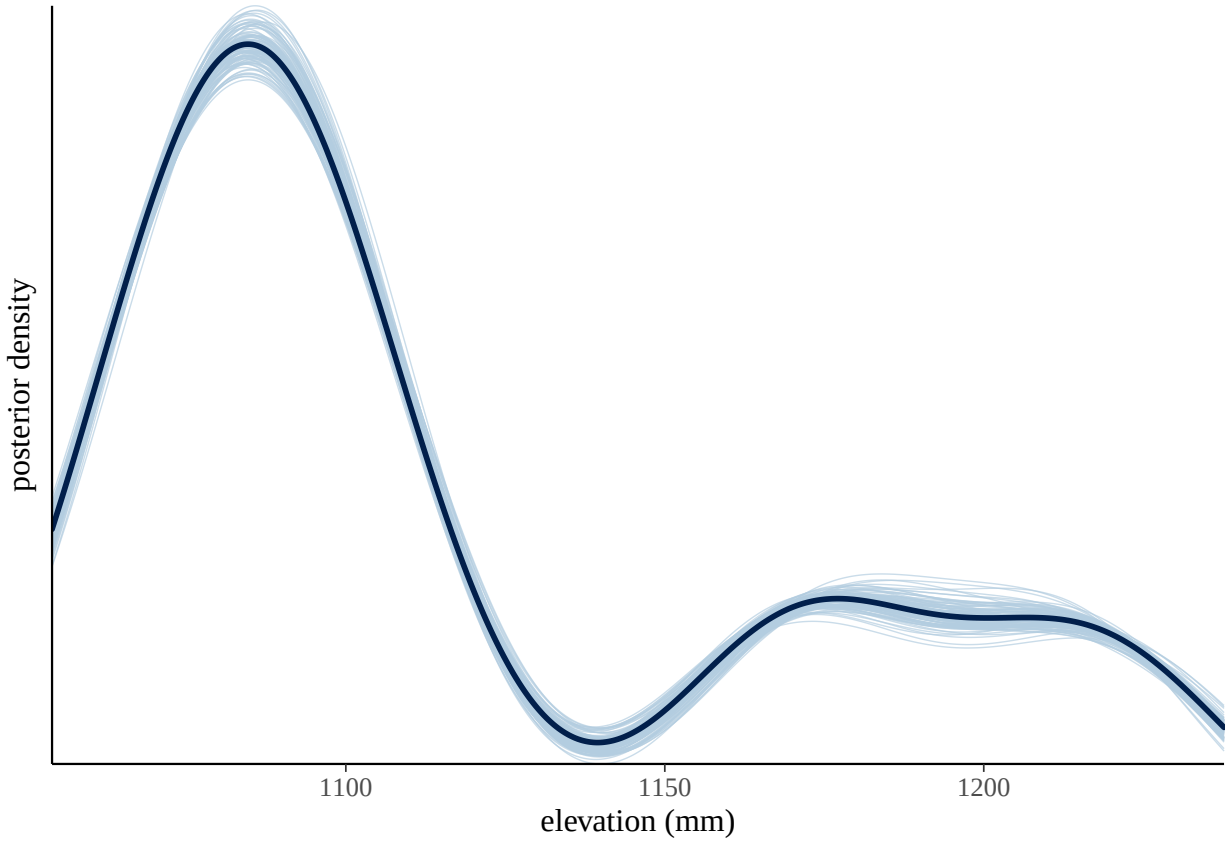


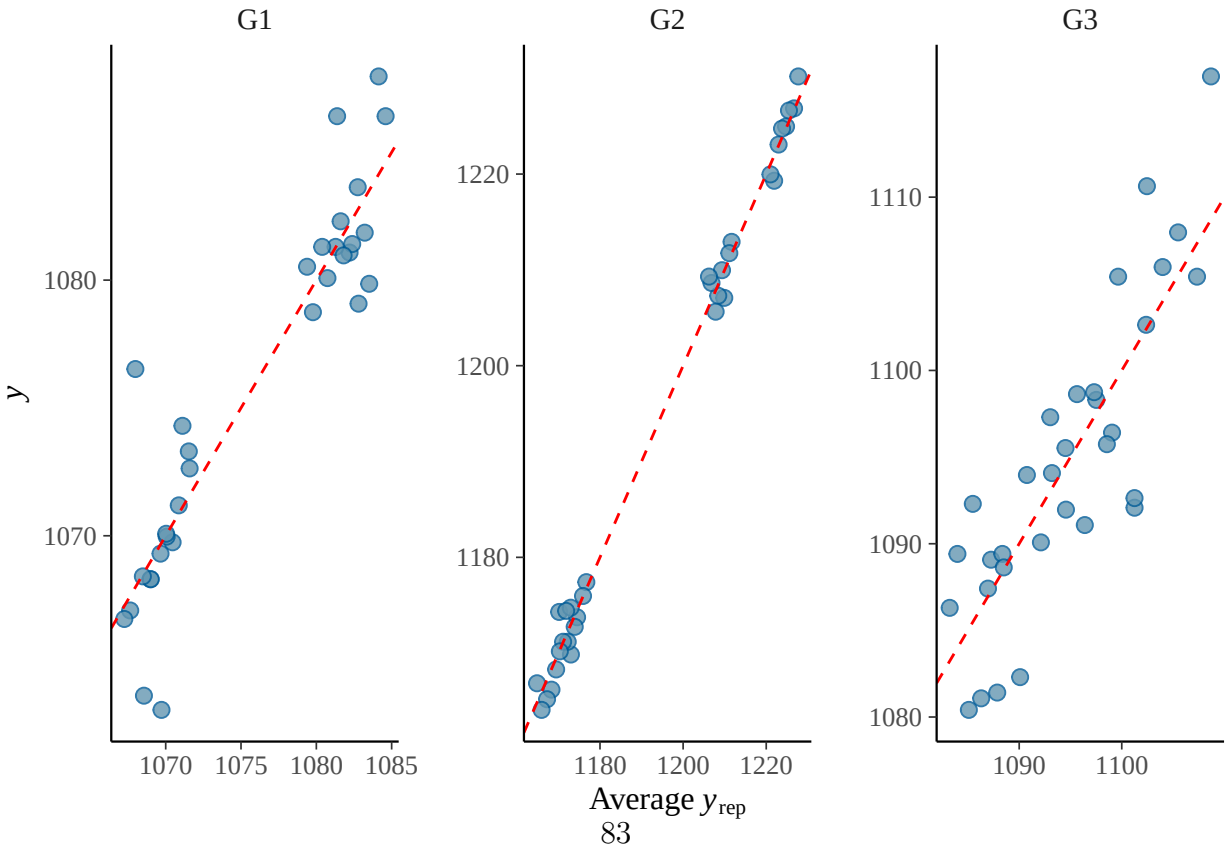
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.00	1.00
sd_set__year	1.01	1.02
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[H4,Intercept]	1.00	1.00
r_set[H5,Intercept]	1.00	1.00
r_set[H6,Intercept]	1.00	1.00
r_set[H4,year]	1.00	1.01
r_set[H5,year]	1.00	1.01
r_set[H6,year]	1.00	1.01
r_set:arm[H4_A,Intercept]	1.00	1.00
r_set:arm[H4_B,Intercept]	1.00	1.01
r_set:arm[H4_C,Intercept]	1.00	1.00
r_set:arm[H4_D,Intercept]	1.00	1.00
r_set:arm[H5_A,Intercept]	1.00	1.00

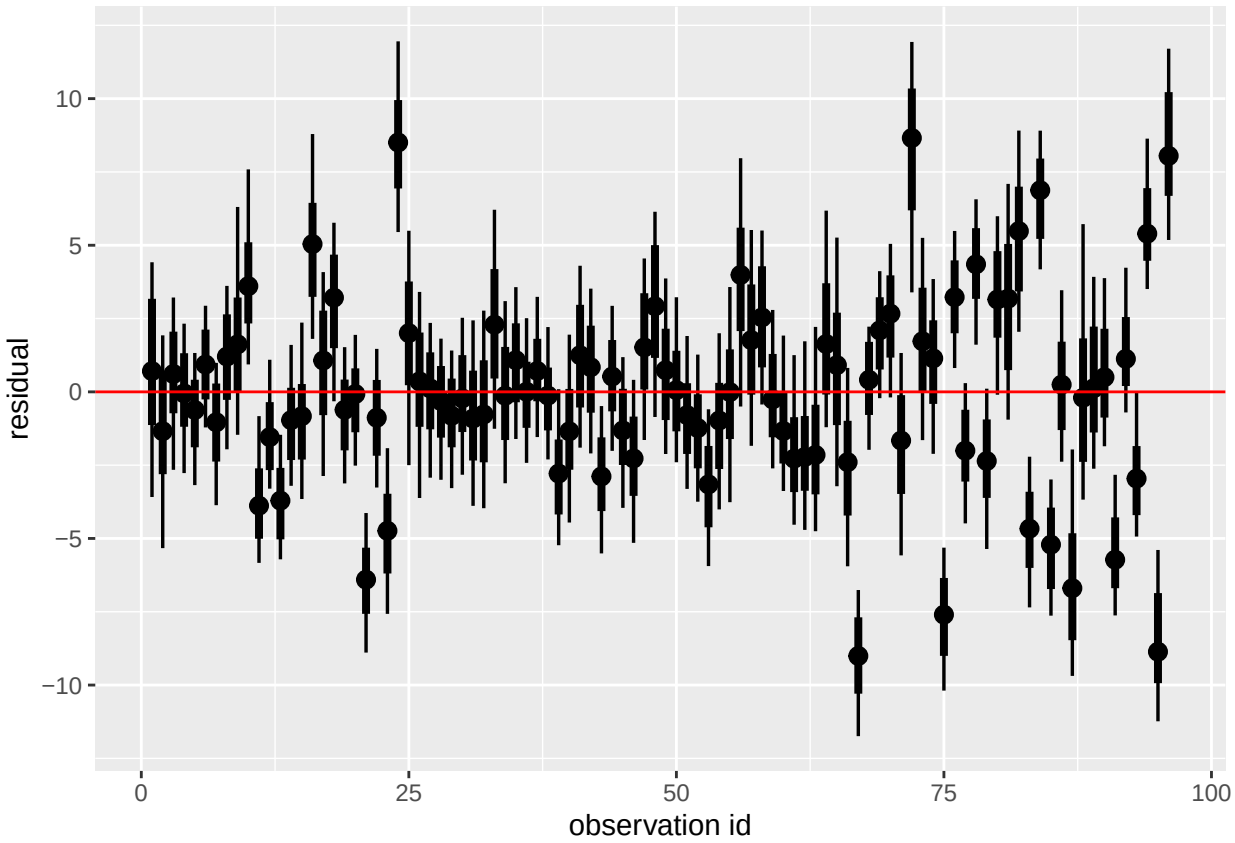
	Point est.	Upper C.I.
r_set:arm[H5_B,Intercept]	1.00	1.01
r_set:arm[H5_C,Intercept]	1.00	1.00
r_set:arm[H5_D,Intercept]	1.00	1.00
r_set:arm[H6_A,Intercept]	1.00	1.00
r_set:arm[H6_B,Intercept]	1.00	1.00
r_set:arm[H6_C,Intercept]	1.00	1.01
r_set:arm[H6_D,Intercept]	1.00	1.01
r_set:arm[H4_A,year]	1.00	1.01
r_set:arm[H4_B,year]	1.00	1.00
r_set:arm[H4_C,year]	1.01	1.02
r_set:arm[H4_D,year]	1.00	1.01
r_set:arm[H5_A,year]	1.00	1.00
r_set:arm[H5_B,year]	1.00	1.00
r_set:arm[H5_C,year]	1.00	1.00
r_set:arm[H5_D,year]	1.00	1.01
r_set:arm[H6_A,year]	1.00	1.00
r_set:arm[H6_B,year]	1.00	1.01
r_set:arm[H6_C,year]	1.00	1.00
r_set:arm[H6_D,year]	1.00	1.00
lp___	1.00	1.00

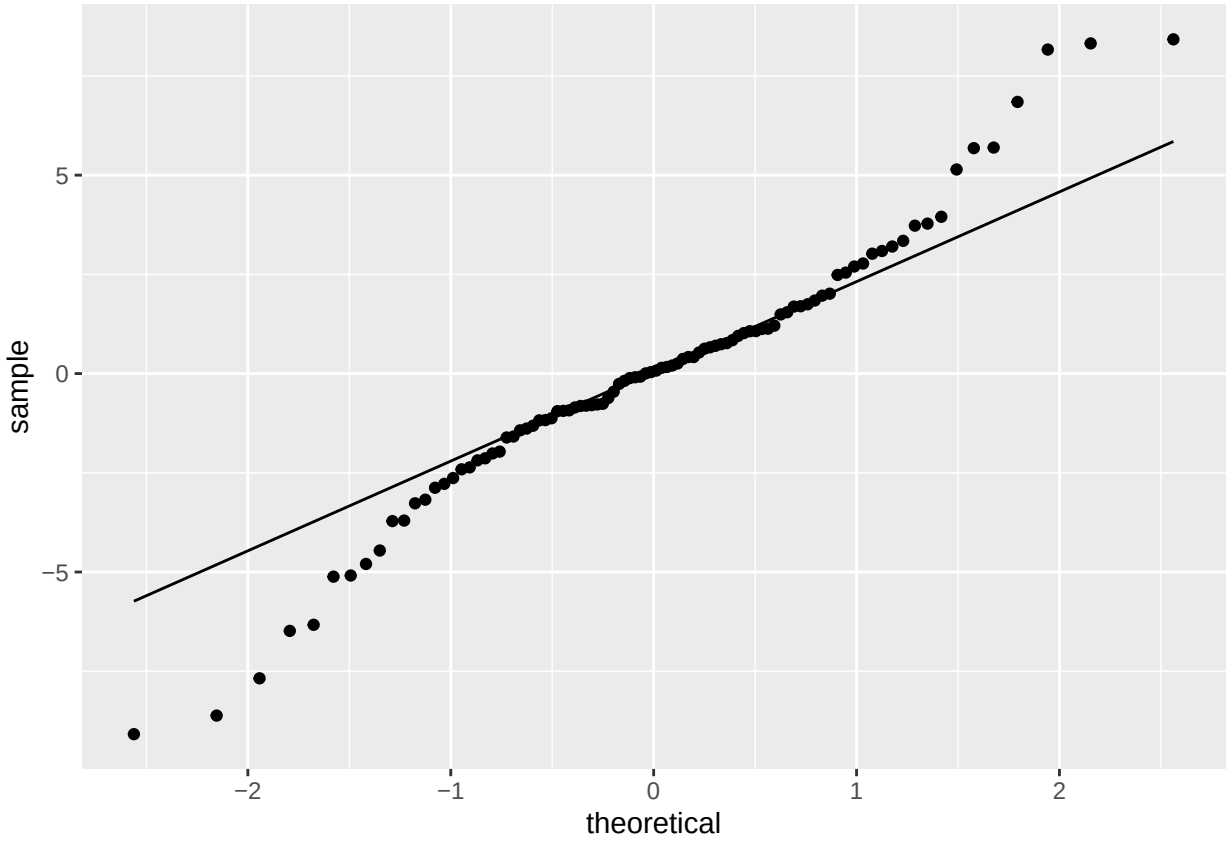
Number of divergences: 0

CACO: HerringRiverG






10
5
0
−5
−10
residual
0
25
50
75
100
observation id

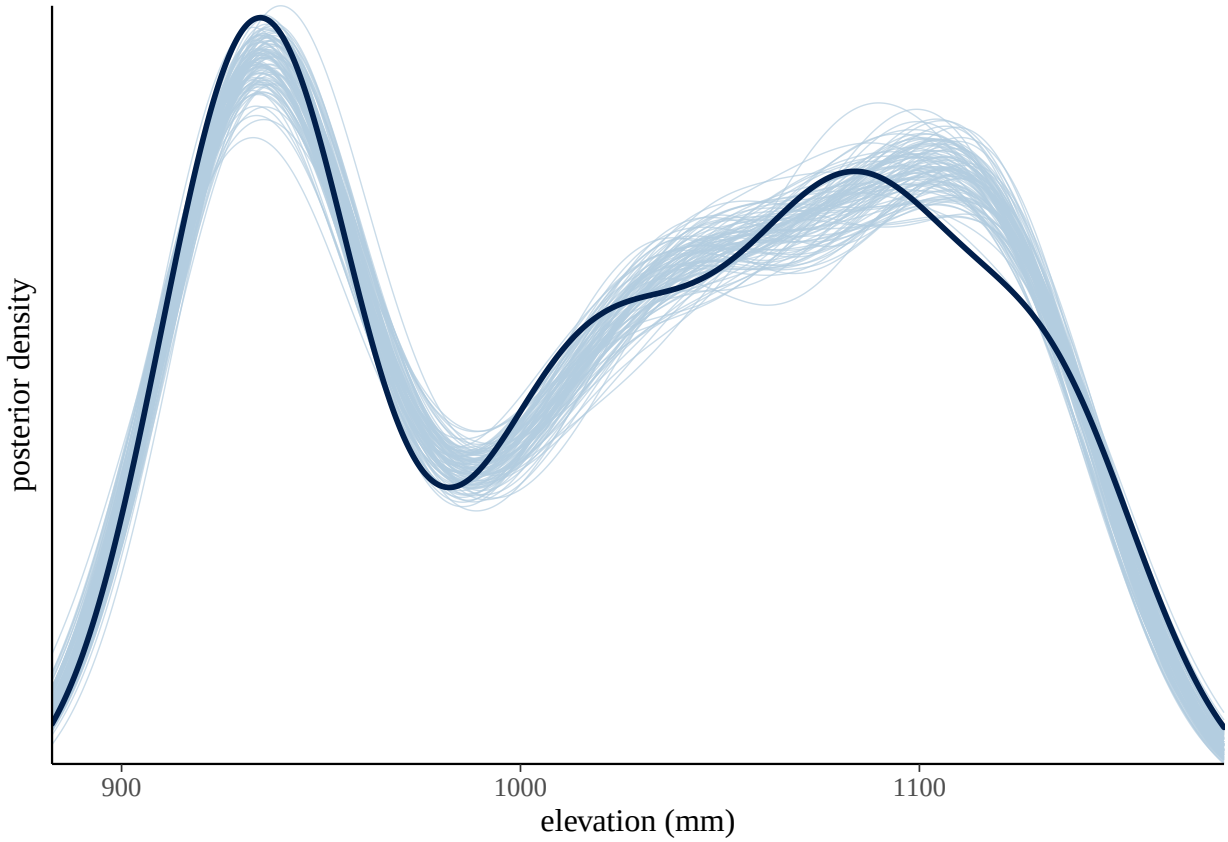


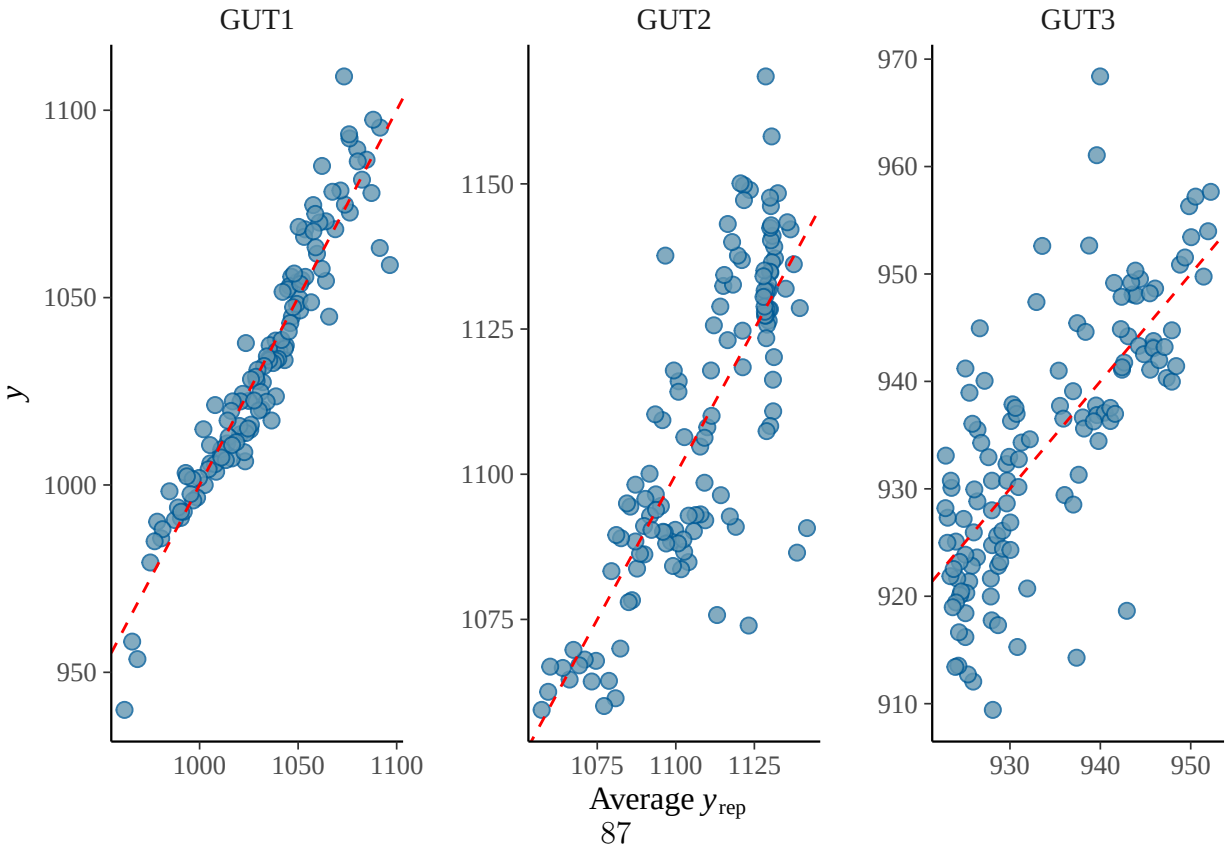
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.01	1.03
sd_set__year	1.03	1.04
sd_set:arm__Intercept	1.01	1.01
sd_set:arm__year	1.01	1.02
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[G1,Intercept]	1.00	1.00
r_set[G2,Intercept]	1.00	1.00
r_set[G3,Intercept]	1.00	1.01
r_set[G1,year]	1.00	1.00
r_set[G2,year]	1.00	1.00
r_set[G3,year]	1.00	1.00
r_set:arm[G1_A,Intercept]	1.00	1.01
r_set:arm[G1_B,Intercept]	1.00	1.01
r_set:arm[G1_C,Intercept]	1.00	1.01
r_set:arm[G1_D,Intercept]	1.00	1.01
r_set:arm[G2_A,Intercept]	1.00	1.01

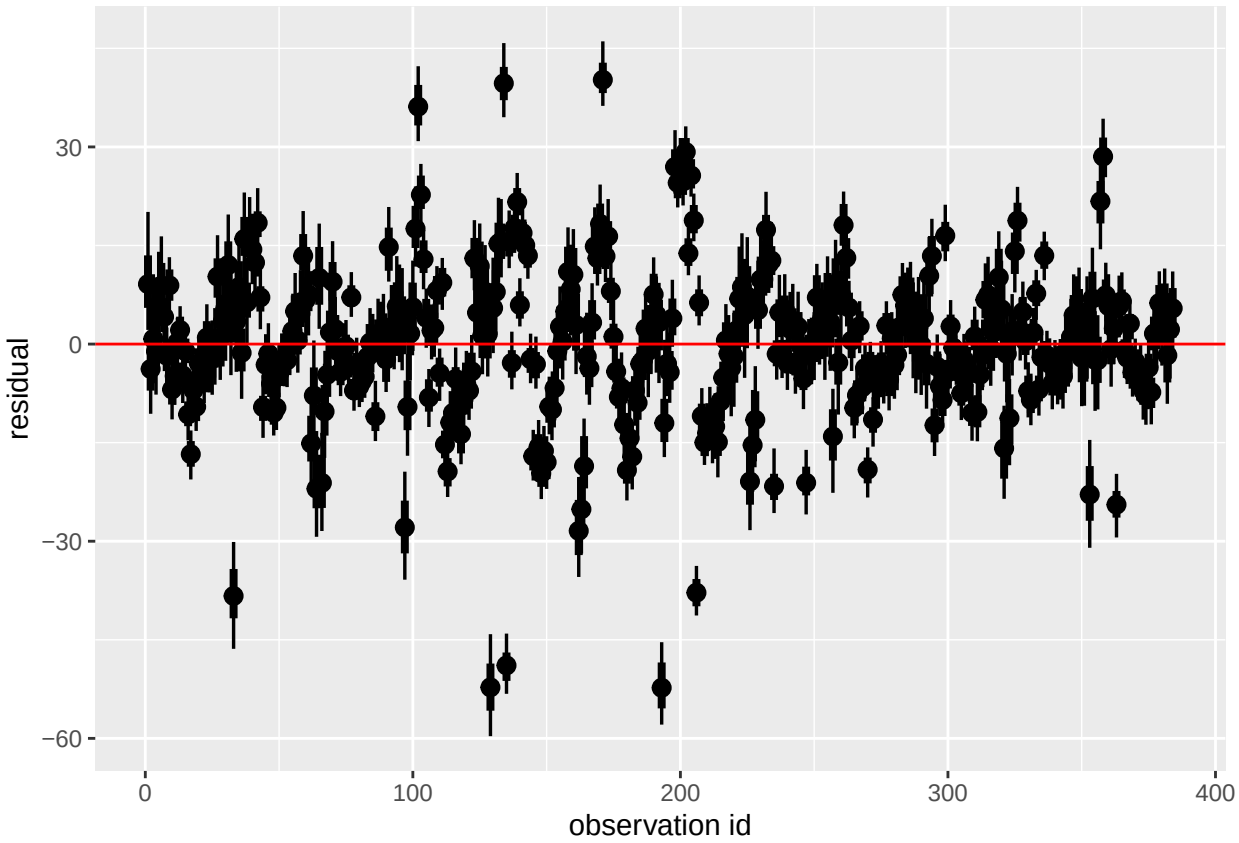
	Point est.	Upper C.I.
r_set:arm[G2_B,Intercept]	1.00	1.01
r_set:arm[G2_C,Intercept]	1.00	1.01
r_set:arm[G2_D,Intercept]	1.00	1.01
r_set:arm[G3_A,Intercept]	1.00	1.01
r_set:arm[G3_B,Intercept]	1.00	1.01
r_set:arm[G3_C,Intercept]	1.00	1.00
r_set:arm[G3_D,Intercept]	1.00	1.01
r_set:arm[G1_A,year]	1.00	1.00
r_set:arm[G1_B,year]	1.00	1.00
r_set:arm[G1_C,year]	1.00	1.01
r_set:arm[G1_D,year]	1.01	1.01
r_set:arm[G2_A,year]	1.00	1.01
r_set:arm[G2_B,year]	1.00	1.00
r_set:arm[G2_C,year]	1.00	1.00
r_set:arm[G2_D,year]	1.00	1.01
r_set:arm[G3_A,year]	1.00	1.01
r_set:arm[G3_B,year]	1.00	1.01
r_set:arm[G3_C,year]	1.00	1.01
r_set:arm[G3_D,year]	1.00	1.01
lp__	1.00	1.01

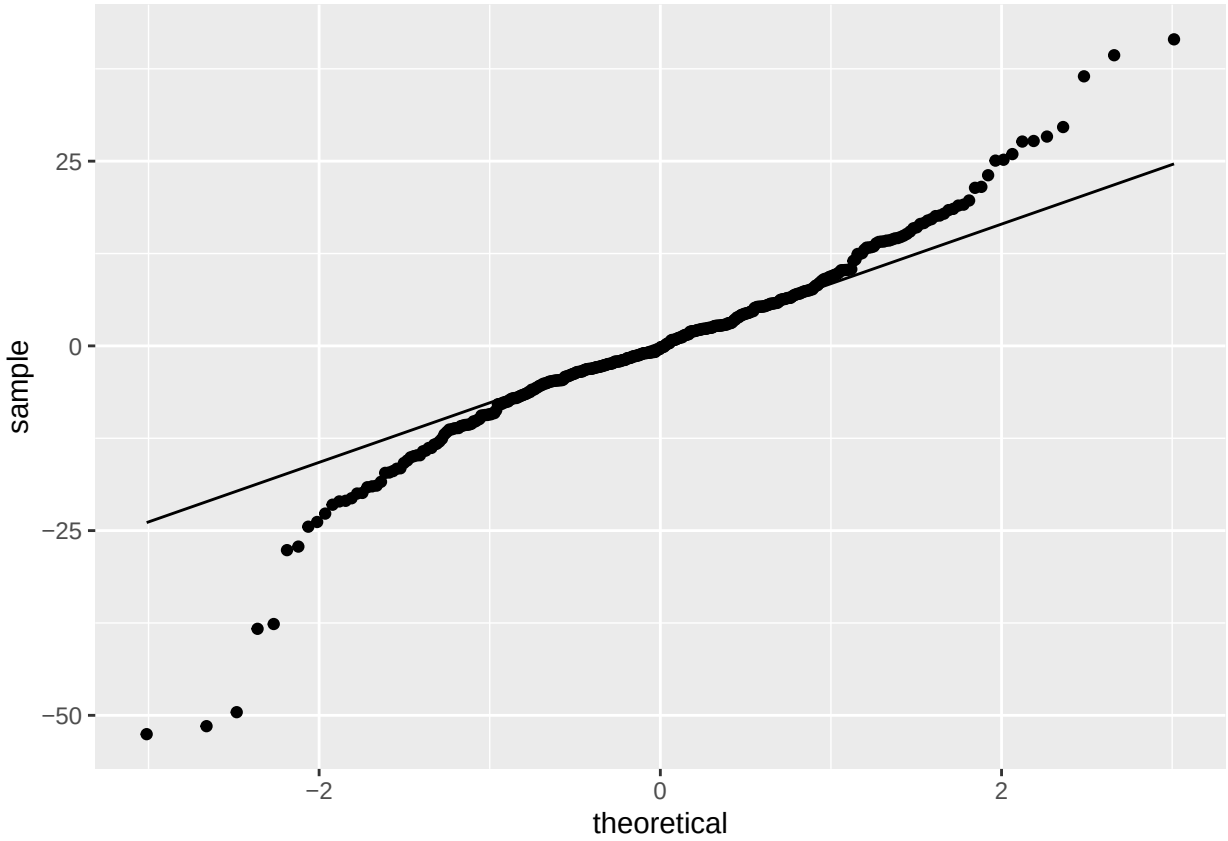
Number of divergences: 0

CACO: HerringRiverGut






30
0
−30
−60
residual
0
100
200
300
400
observation id

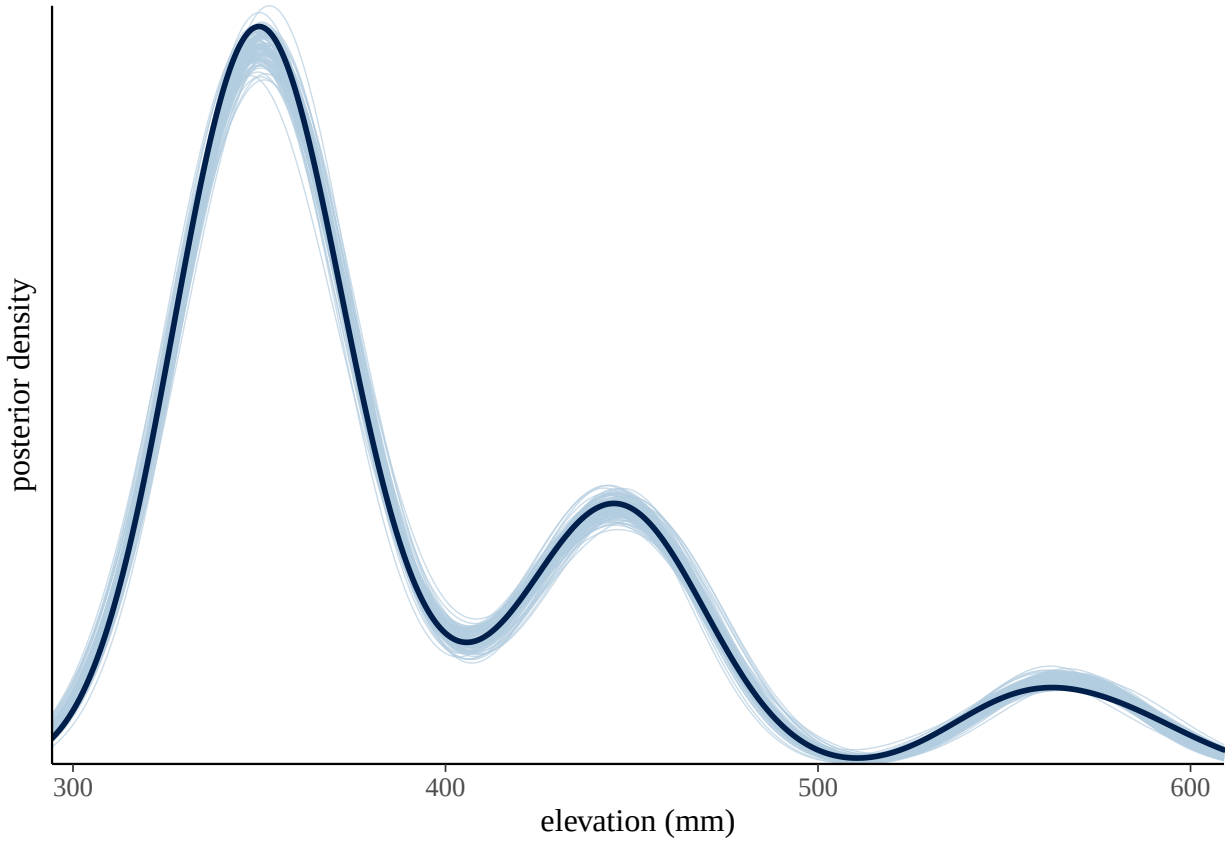


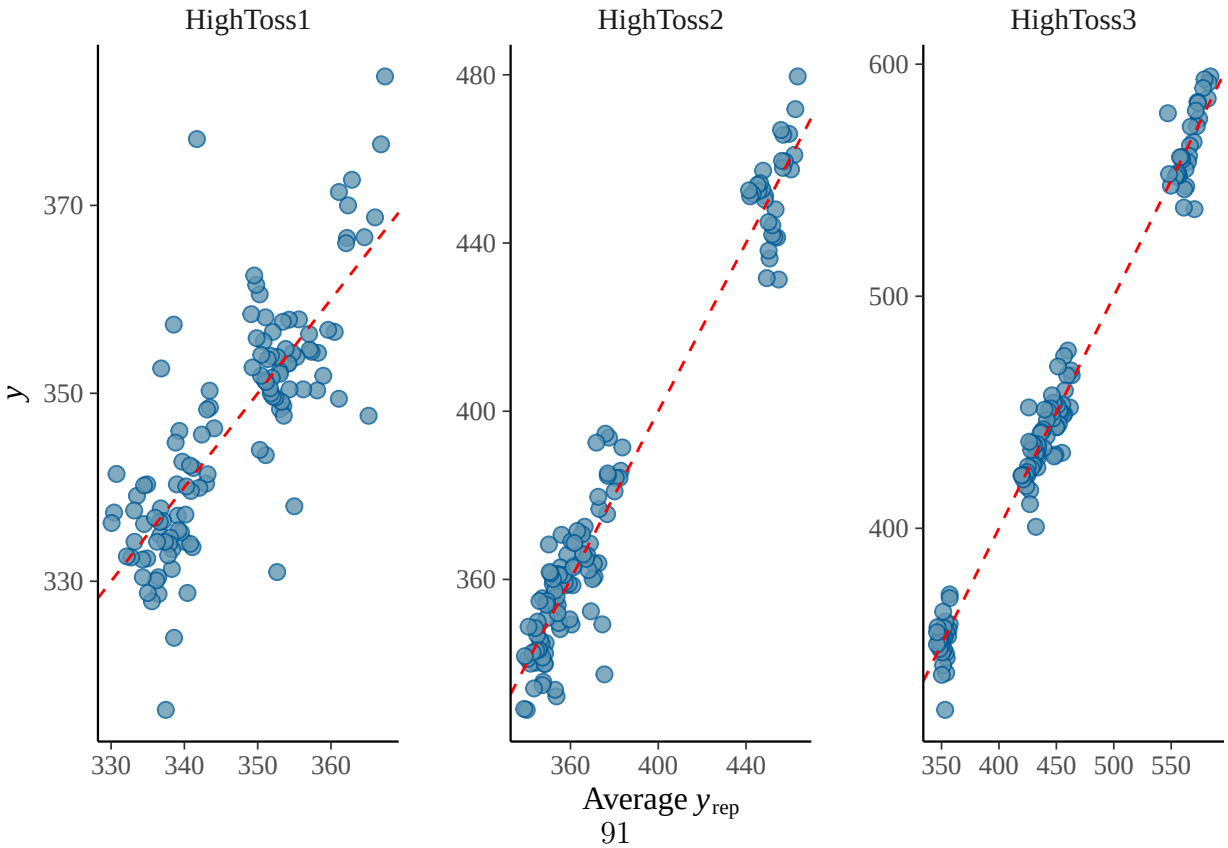
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.00	1.01
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.02
sigma	1.00	1.00
r_set[GUT1,Intercept]	1.00	1.01
r_set[GUT2,Intercept]	1.00	1.01
r_set[GUT3,Intercept]	1.00	1.01
r_set[GUT1,year]	1.00	1.00
r_set[GUT2,year]	1.00	1.00
r_set[GUT3,year]	1.00	1.00
r_set:arm[GUT1_A,Intercept]	1.00	1.00
r_set:arm[GUT1_B,Intercept]	1.00	1.00
r_set:arm[GUT1_C,Intercept]	1.00	1.00
r_set:arm[GUT1_D,Intercept]	1.00	1.00
r_set:arm[GUT2_A,Intercept]	1.00	1.01

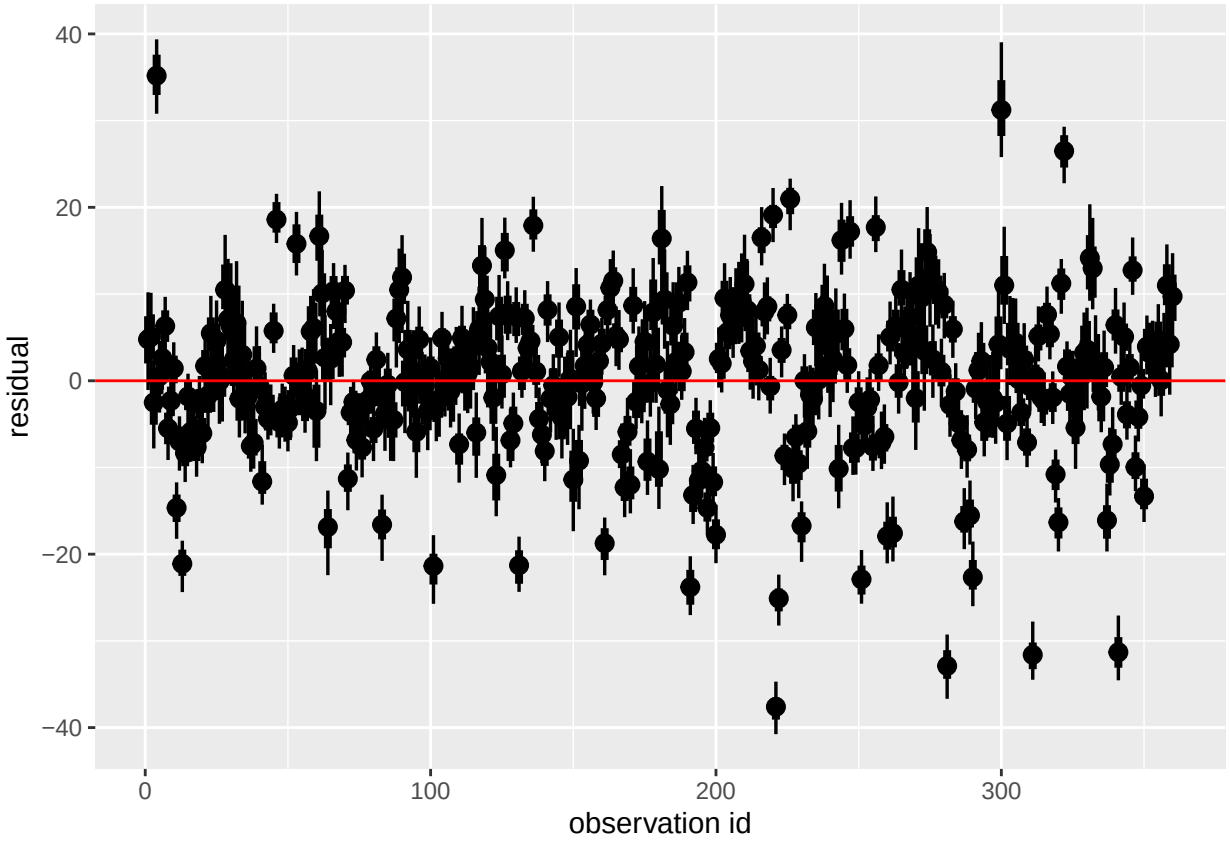
	Point est.	Upper C.I.
r_set:arm[GUT2_B,Intercept]	1.00	1.00
r_set:arm[GUT2_C,Intercept]	1.00	1.00
r_set:arm[GUT2_D,Intercept]	1.00	1.00
r_set:arm[GUT3_A,Intercept]	1.00	1.00
r_set:arm[GUT3_B,Intercept]	1.00	1.00
r_set:arm[GUT3_C,Intercept]	1.00	1.00
r_set:arm[GUT3_D,Intercept]	1.00	1.00
r_set:arm[GUT1_A,year]	1.00	1.00
r_set:arm[GUT1_B,year]	1.00	1.00
r_set:arm[GUT1_C,year]	1.00	1.01
r_set:arm[GUT1_D,year]	1.00	1.00
r_set:arm[GUT2_A,year]	1.00	1.00
r_set:arm[GUT2_B,year]	1.00	1.00
r_set:arm[GUT2_C,year]	1.00	1.00
r_set:arm[GUT2_D,year]	1.00	1.00
r_set:arm[GUT3_A,year]	1.00	1.00
r_set:arm[GUT3_B,year]	1.00	1.01
r_set:arm[GUT3_C,year]	1.00	1.01
r_set:arm[GUT3_D,year]	1.00	1.01
lp___	1.00	1.00

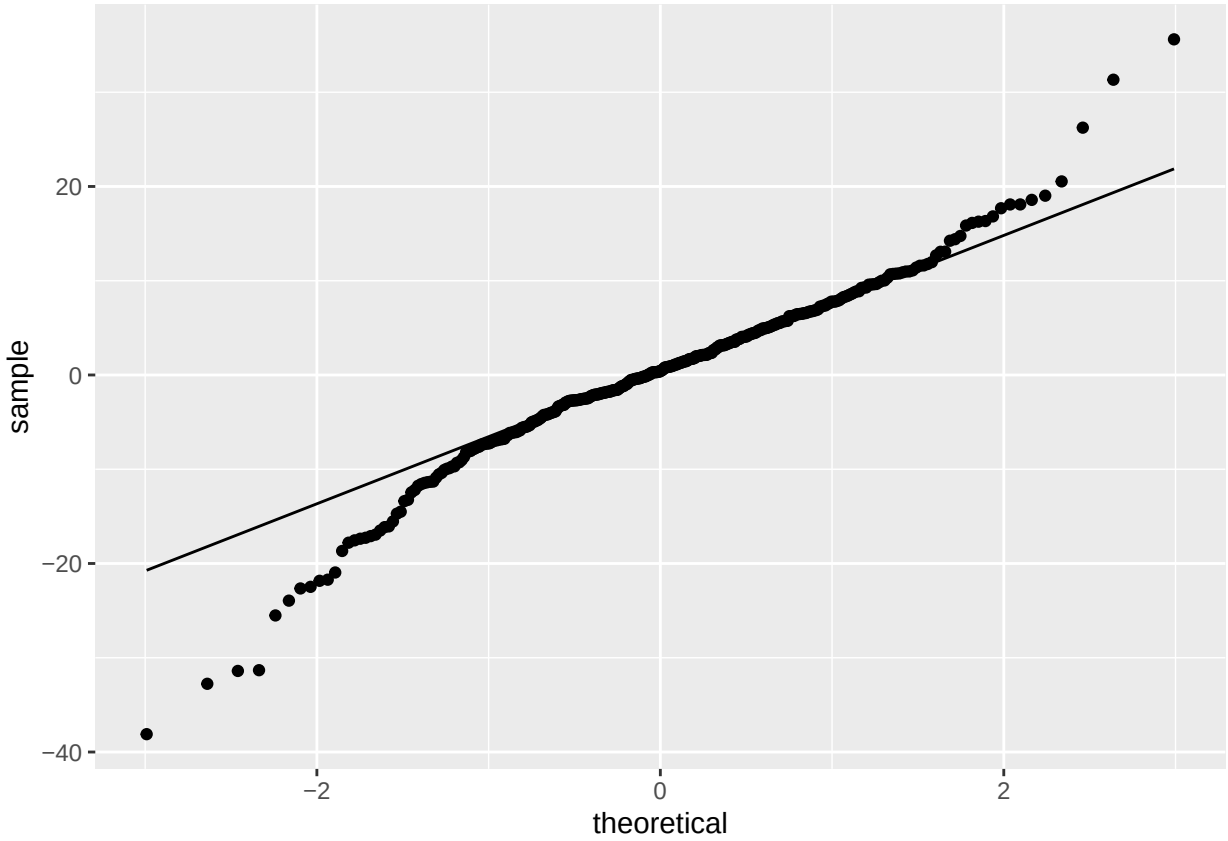
Number of divergences: 0

CACO: HerringRiverHighToss






40
20
0
−20
−40
residual
0
100
200
300
observation id

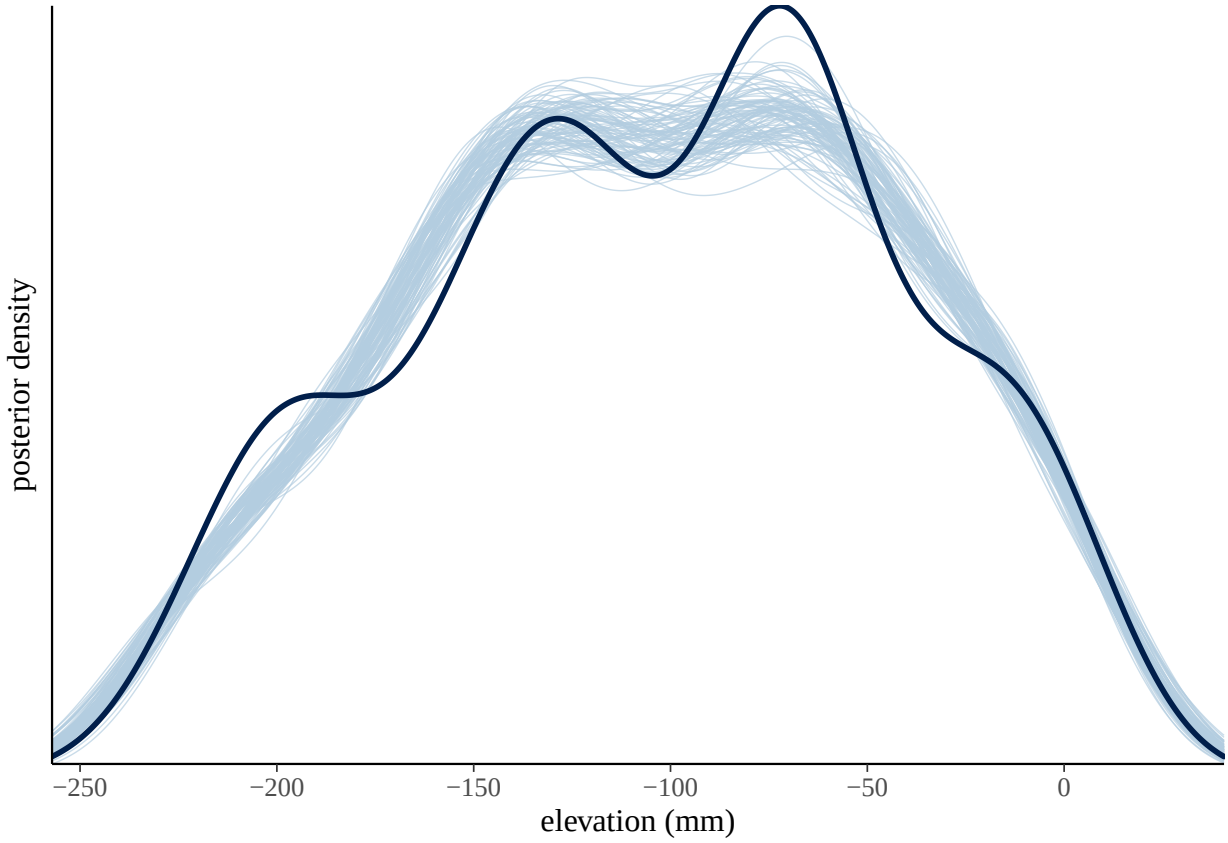


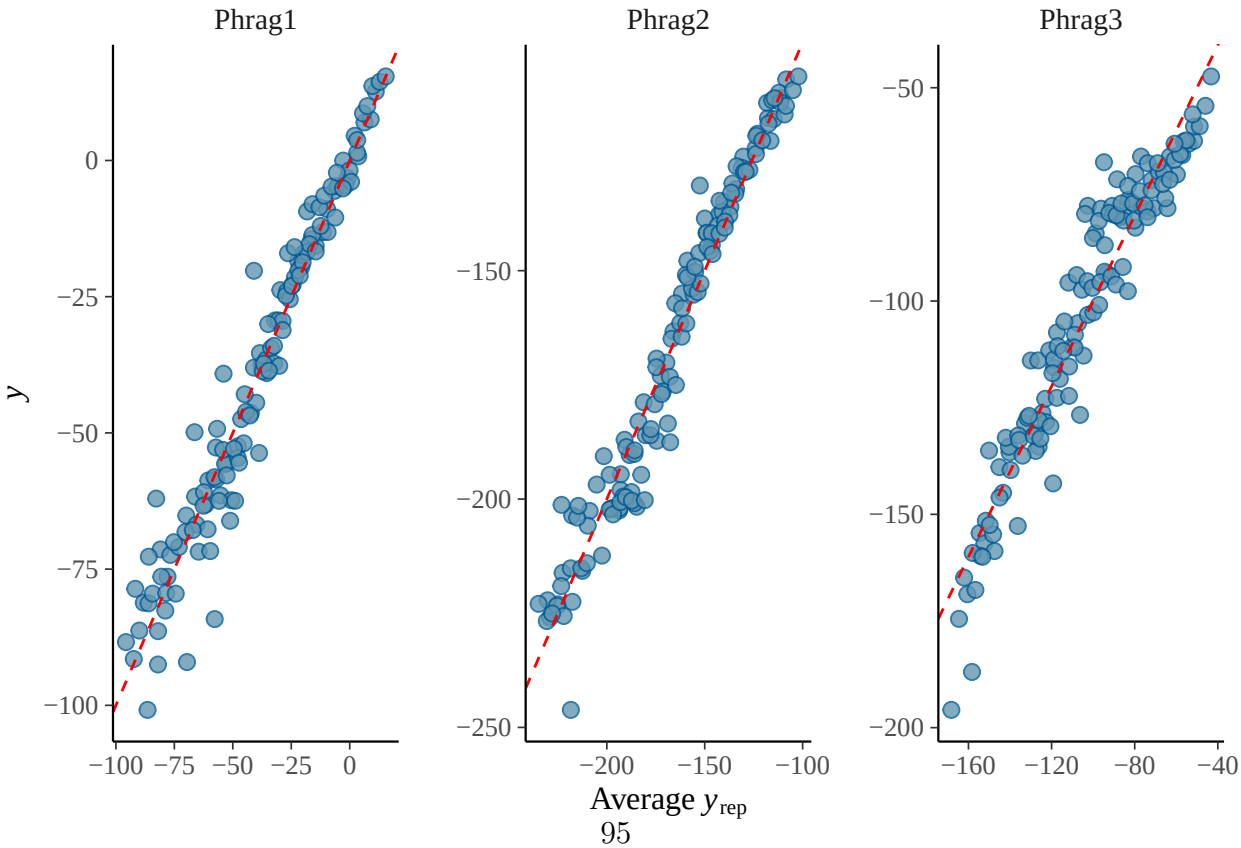
	Point est.	Upper C.I.
b_Intercept	1.01	1.02
b_year	1.00	1.01
sd_set__Intercept	1.05	1.06
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.01	1.03
sd_set:arm__year	1.00	1.02
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[HighToss1,Intercept]	1.06	1.08
r_set[HighToss2,Intercept]	1.06	1.06
r_set[HighToss3,Intercept]	1.01	1.02
r_set[HighToss1,year]	1.01	1.01
r_set[HighToss2,year]	1.00	1.00
r_set[HighToss3,year]	1.00	1.01
r_set:arm[HighToss1_A,Intercept]	1.01	1.01
r_set:arm[HighToss1_B,Intercept]	1.00	1.01
r_set:arm[HighToss1_C,Intercept]	1.00	1.01
r_set:arm[HighToss1_D,Intercept]	1.00	1.01
r_set:arm[HighToss2_A,Intercept]	1.01	1.02

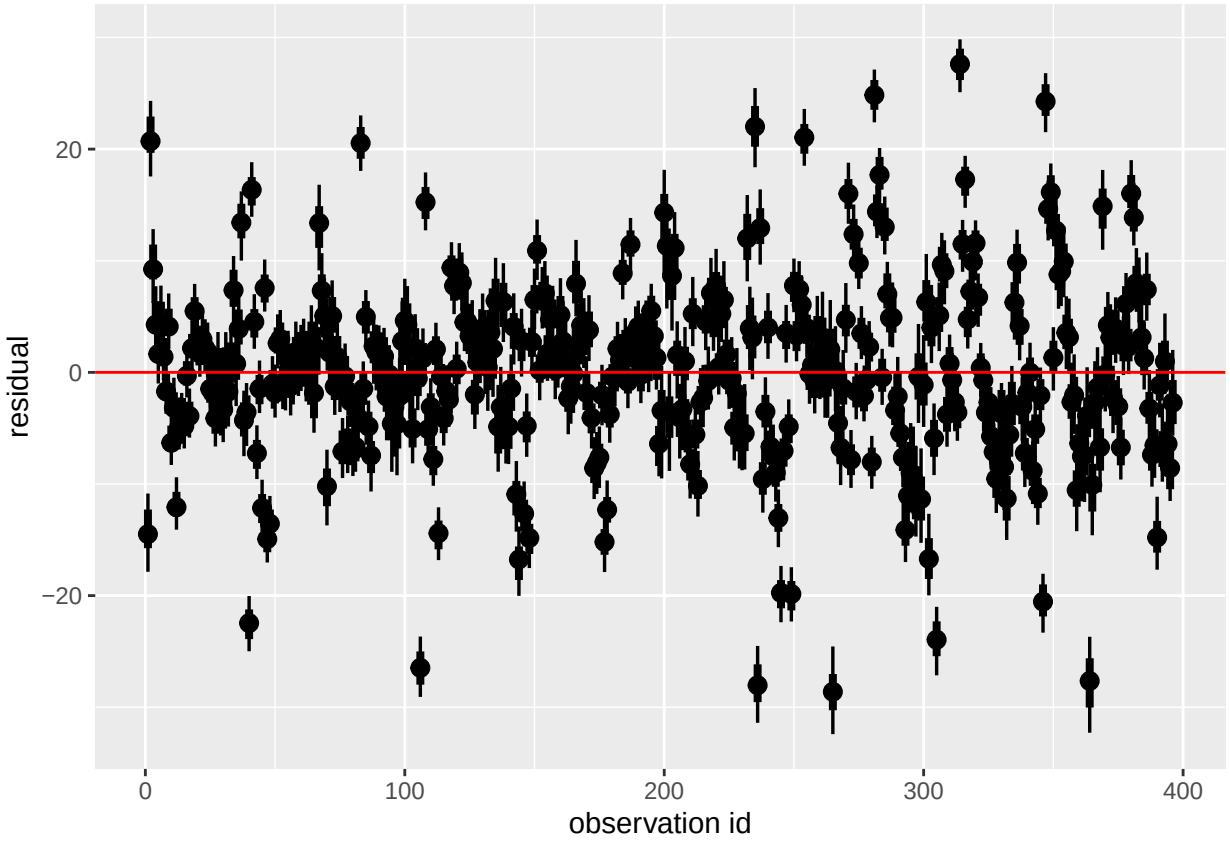
	Point est.	Upper C.I.
r_set:arm[HighToss2_B,Intercept]	1.01	1.02
r_set:arm[HighToss2_C,Intercept]	1.01	1.02
r_set:arm[HighToss2_D,Intercept]	1.01	1.02
r_set:arm[HighToss3_A,Intercept]	1.01	1.02
r_set:arm[HighToss3_B,Intercept]	1.01	1.03
r_set:arm[HighToss3_C,Intercept]	1.01	1.02
r_set:arm[HighToss3_D,Intercept]	1.01	1.02
r_set:arm[HighToss1_A,year]	1.00	1.00
r_set:arm[HighToss1_B,year]	1.00	1.00
r_set:arm[HighToss1_C,year]	1.00	1.00
r_set:arm[HighToss1_D,year]	1.00	1.01
r_set:arm[HighToss2_A,year]	1.00	1.00
r_set:arm[HighToss2_B,year]	1.00	1.00
r_set:arm[HighToss2_C,year]	1.00	1.00
r_set:arm[HighToss2_D,year]	1.00	1.00
r_set:arm[HighToss3_A,year]	1.00	1.00
r_set:arm[HighToss3_B,year]	1.00	1.00
r_set:arm[HighToss3_C,year]	1.00	1.00
r_set:arm[HighToss3_D,year]	1.00	1.00
lp___	1.01	1.03

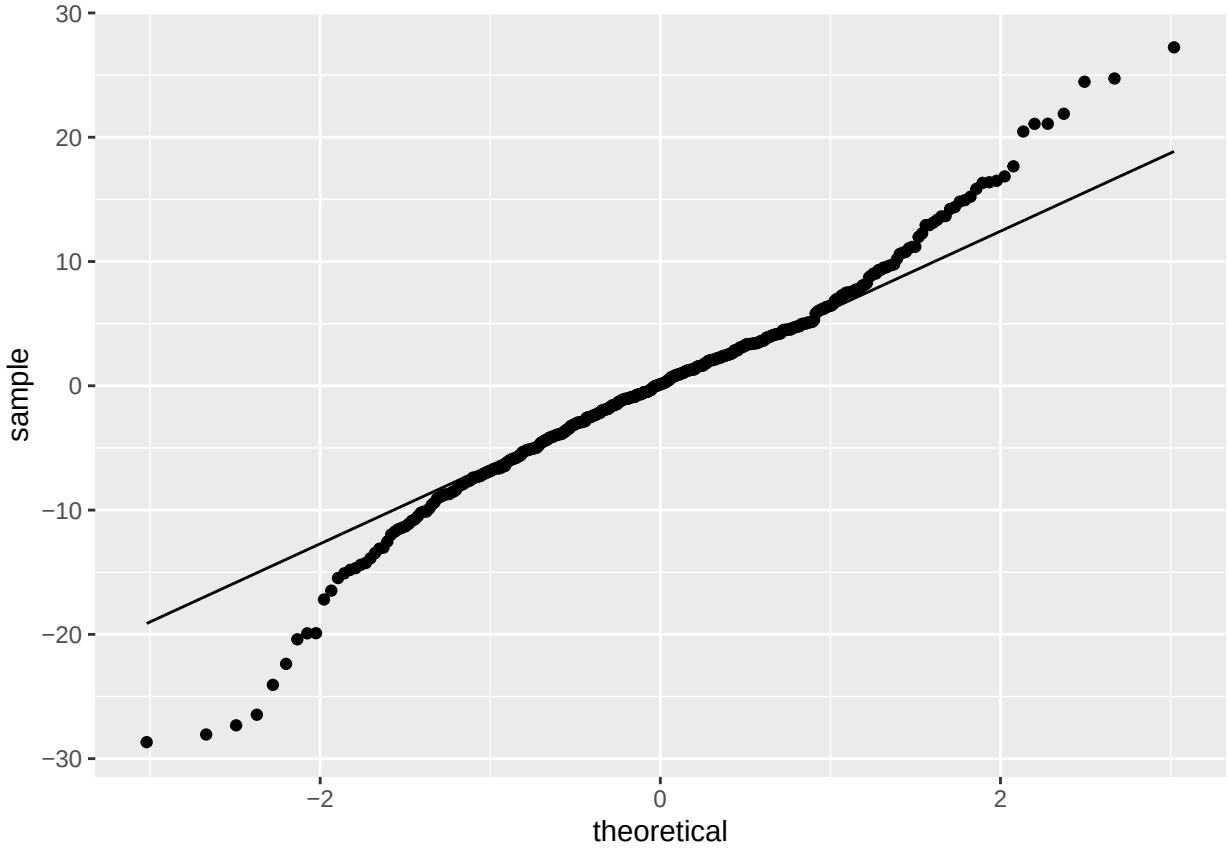
Number of divergences: 4

CACO: HerringRiverPhrag






residual
20
0
−20
0
100
200
300
400
observation id

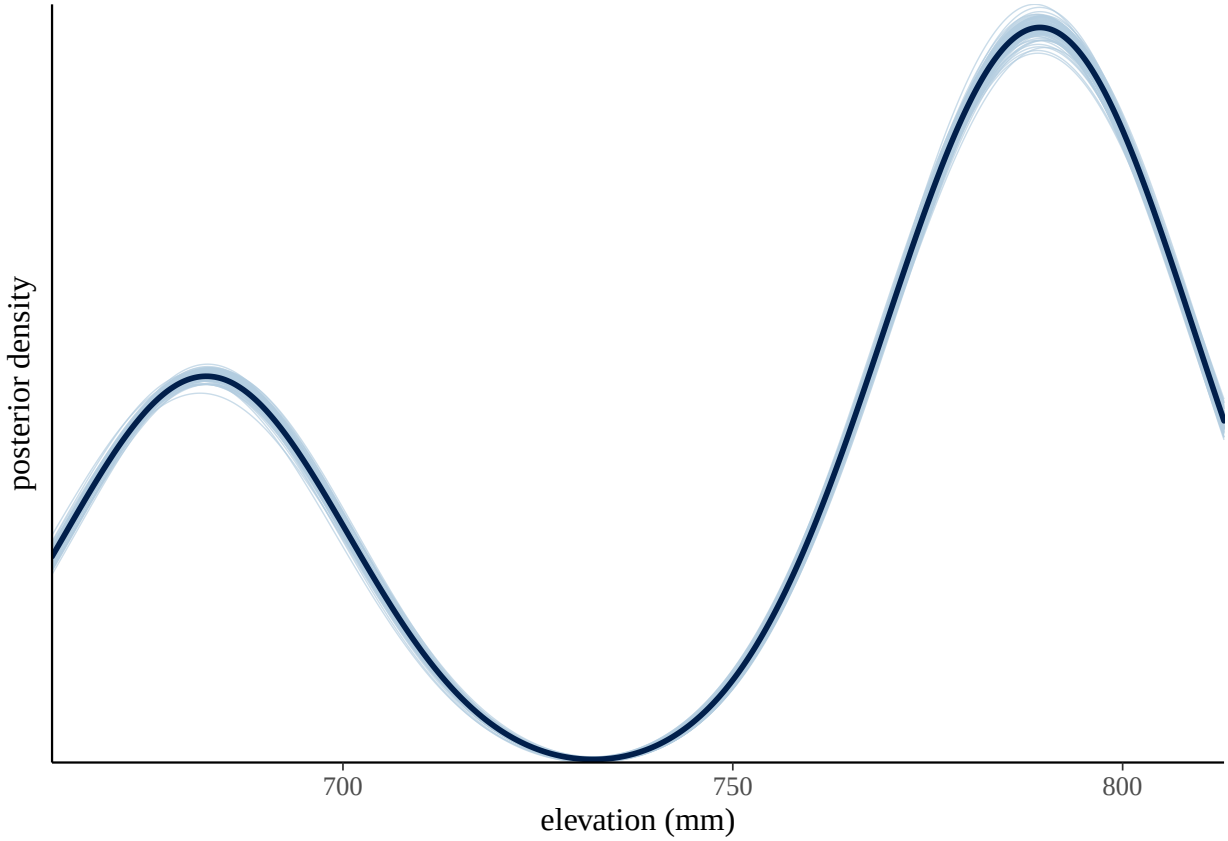


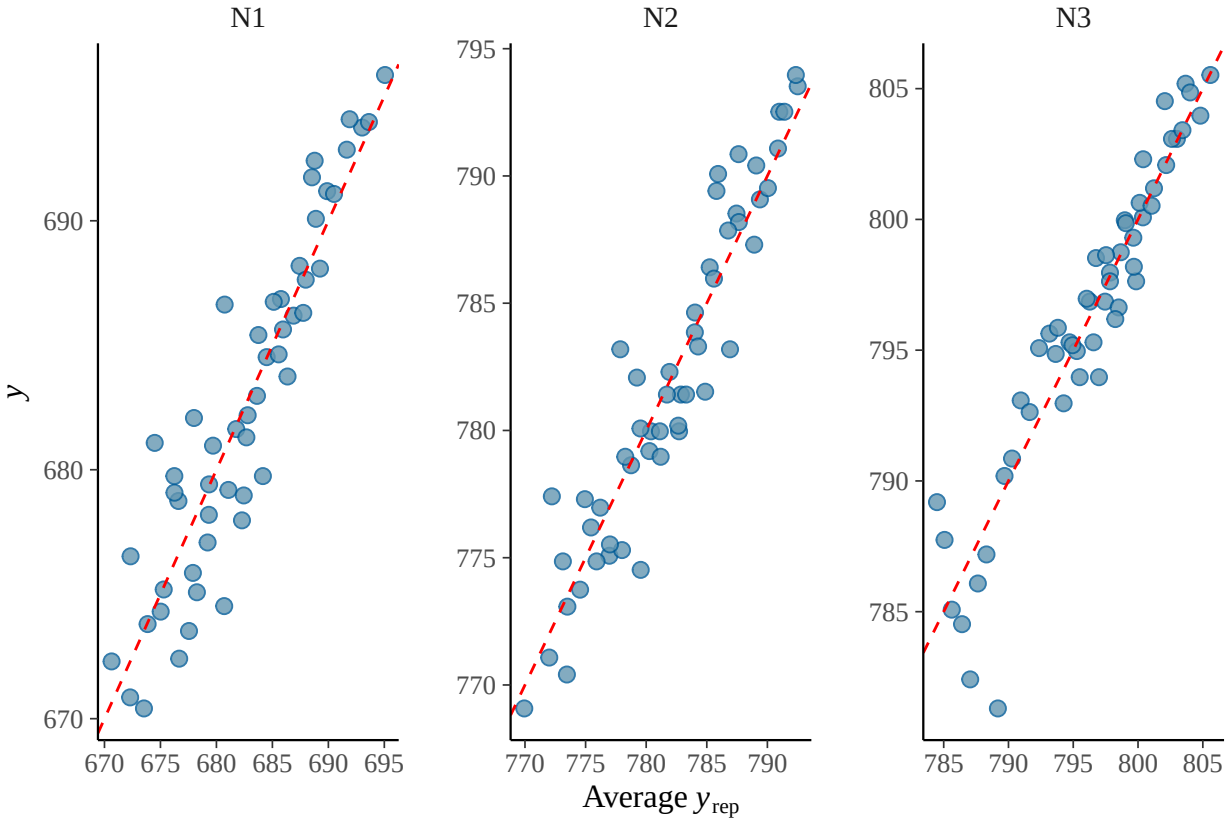
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.01	1.02
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Phrag1,Intercept]	1.00	1.00
r_set[Phrag2,Intercept]	1.00	1.00
r_set[Phrag3,Intercept]	1.00	1.00
r_set[Phrag1,year]	1.01	1.01
r_set[Phrag2,year]	1.00	1.01
r_set[Phrag3,year]	1.00	1.01
r_set:arm[Phrag1_A,Intercept]	1.00	1.00
r_set:arm[Phrag1_B,Intercept]	1.00	1.00
r_set:arm[Phrag1_C,Intercept]	1.00	1.00
r_set:arm[Phrag1_D,Intercept]	1.00	1.00
r_set:arm[Phrag2_A,Intercept]	1.00	1.00

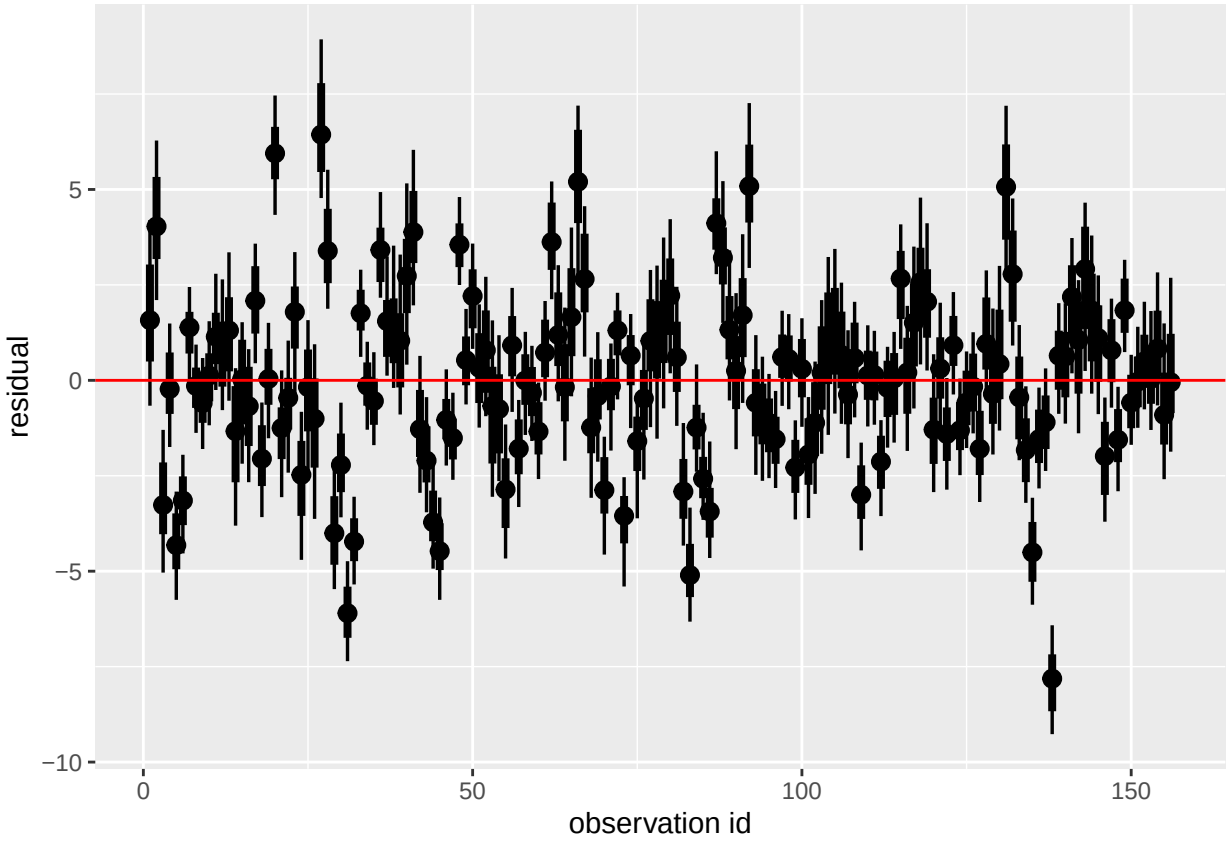
	Point est.	Upper C.I.
r_set:arm[Phrag2_B,Intercept]	1.00	1.01
r_set:arm[Phrag2_C,Intercept]	1.00	1.01
r_set:arm[Phrag2_D,Intercept]	1.00	1.01
r_set:arm[Phrag3_A,Intercept]	1.00	1.00
r_set:arm[Phrag3_B,Intercept]	1.00	1.00
r_set:arm[Phrag3_C,Intercept]	1.00	1.00
r_set:arm[Phrag3_D,Intercept]	1.00	1.00
r_set:arm[Phrag1_A,year]	1.00	1.01
r_set:arm[Phrag1_B,year]	1.00	1.00
r_set:arm[Phrag1_C,year]	1.00	1.00
r_set:arm[Phrag1_D,year]	1.00	1.01
r_set:arm[Phrag2_A,year]	1.00	1.00
r_set:arm[Phrag2_B,year]	1.00	1.00
r_set:arm[Phrag2_C,year]	1.00	1.00
r_set:arm[Phrag2_D,year]	1.00	1.00
r_set:arm[Phrag3_A,year]	1.00	1.00
r_set:arm[Phrag3_B,year]	1.00	1.00
r_set:arm[Phrag3_C,year]	1.00	1.00
r_set:arm[Phrag3_D,year]	1.00	1.00
lp___	1.00	1.00

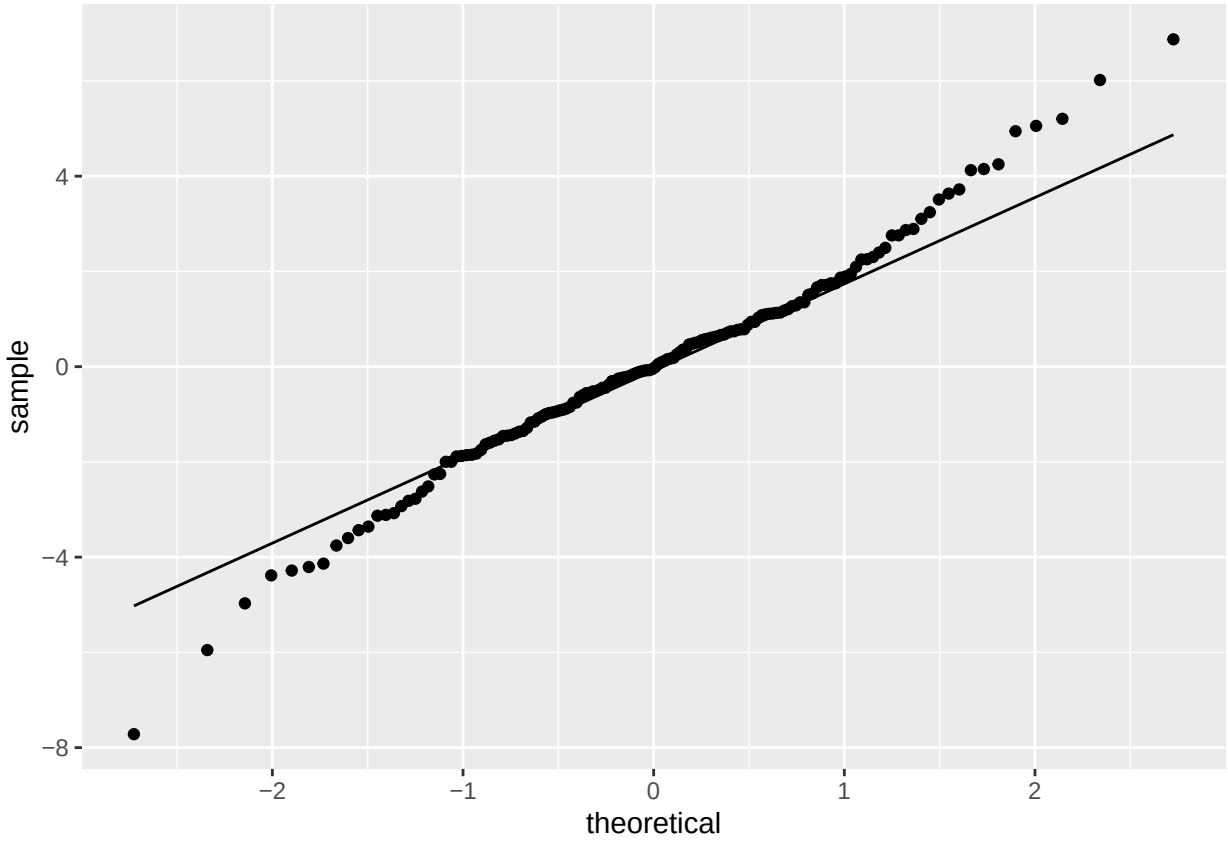
Number of divergences: 0

CACO: NausetMarshN






residual
5
0
−5
−10
0
50
100
150
observation id

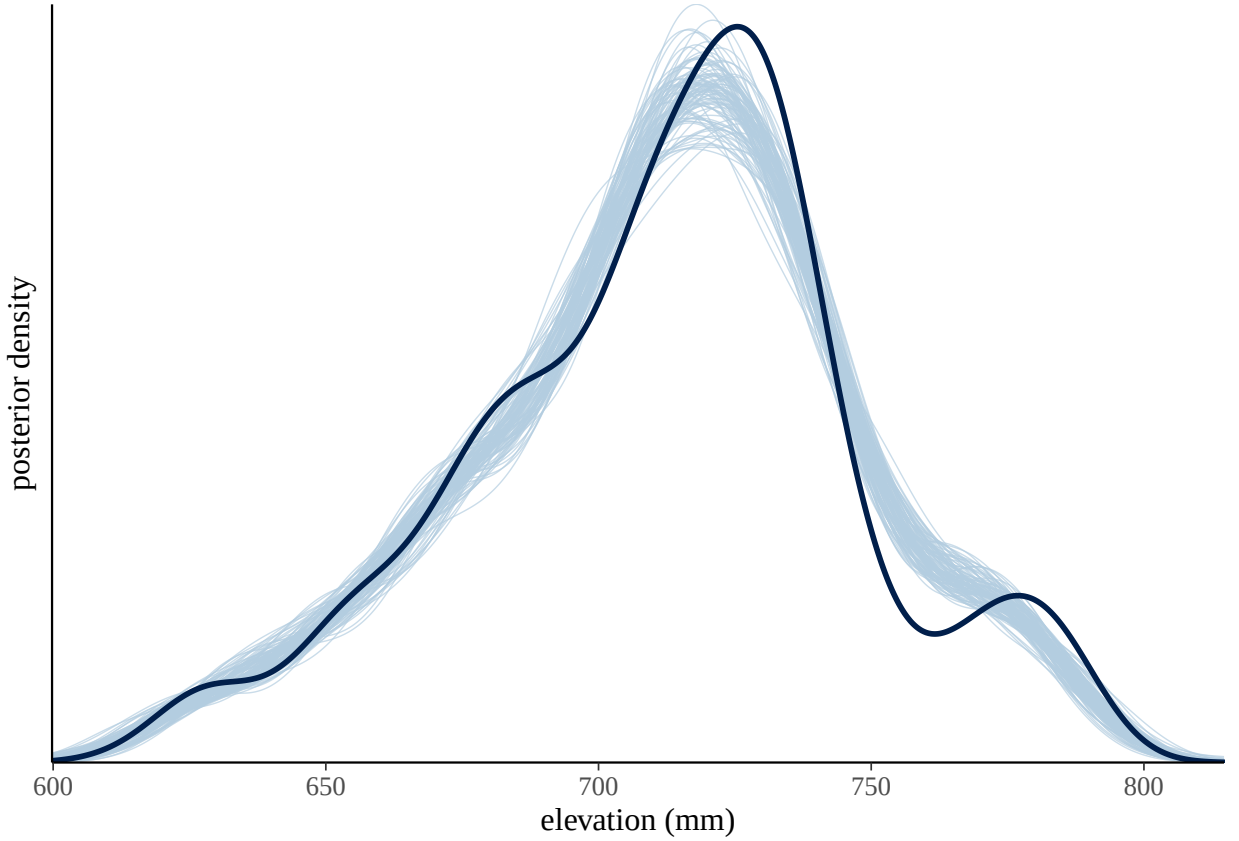


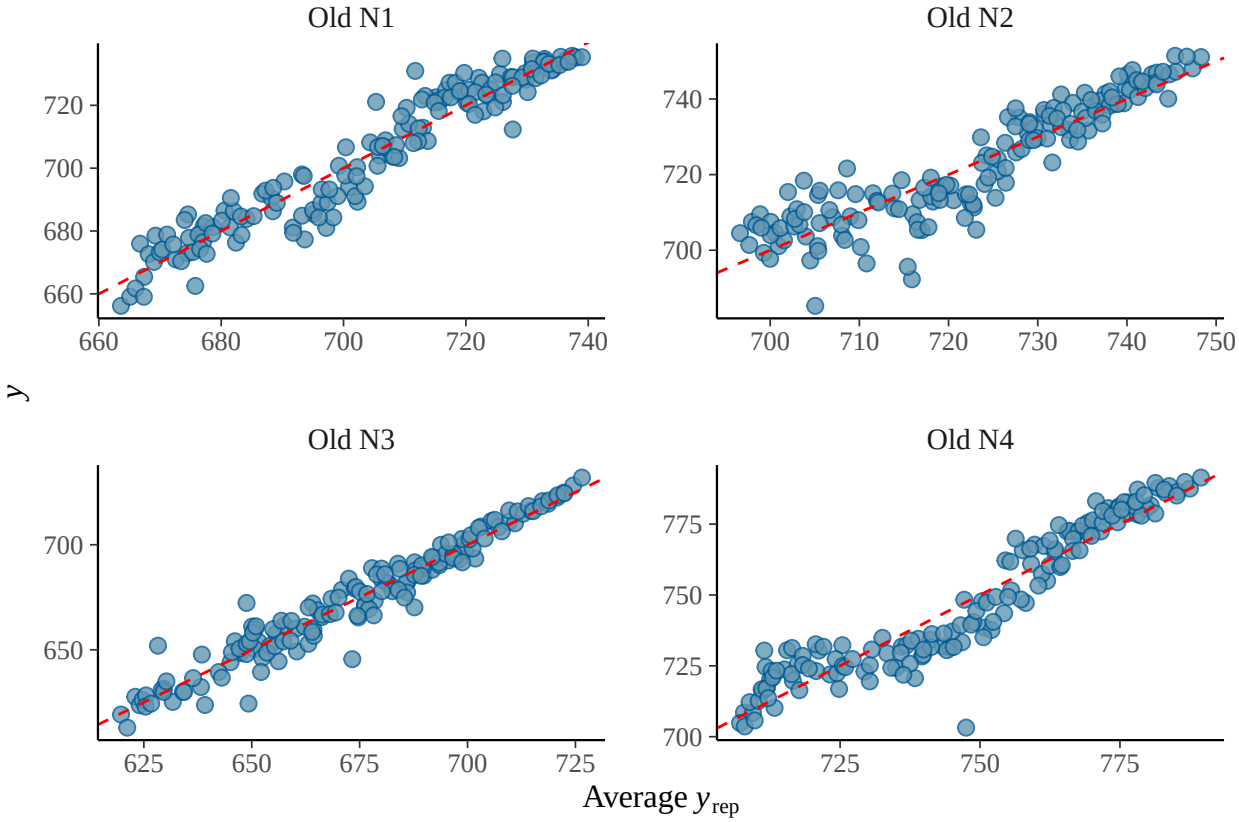
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.01	1.02
sd_set__Intercept	1.02	1.03
sd_set__year	1.00	1.01
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.01
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[N1,Intercept]	1.00	1.01
r_set[N2,Intercept]	1.00	1.01
r_set[N3,Intercept]	1.00	1.01
r_set[N1,year]	1.01	1.02
r_set[N2,year]	1.01	1.02
r_set[N3,year]	1.01	1.02
r_set:arm[N1_A,Intercept]	1.00	1.00
r_set:arm[N1_B,Intercept]	1.00	1.00
r_set:arm[N1_C,Intercept]	1.00	1.00
r_set:arm[N1_D,Intercept]	1.00	1.00
r_set:arm[N2_A,Intercept]	1.00	1.00

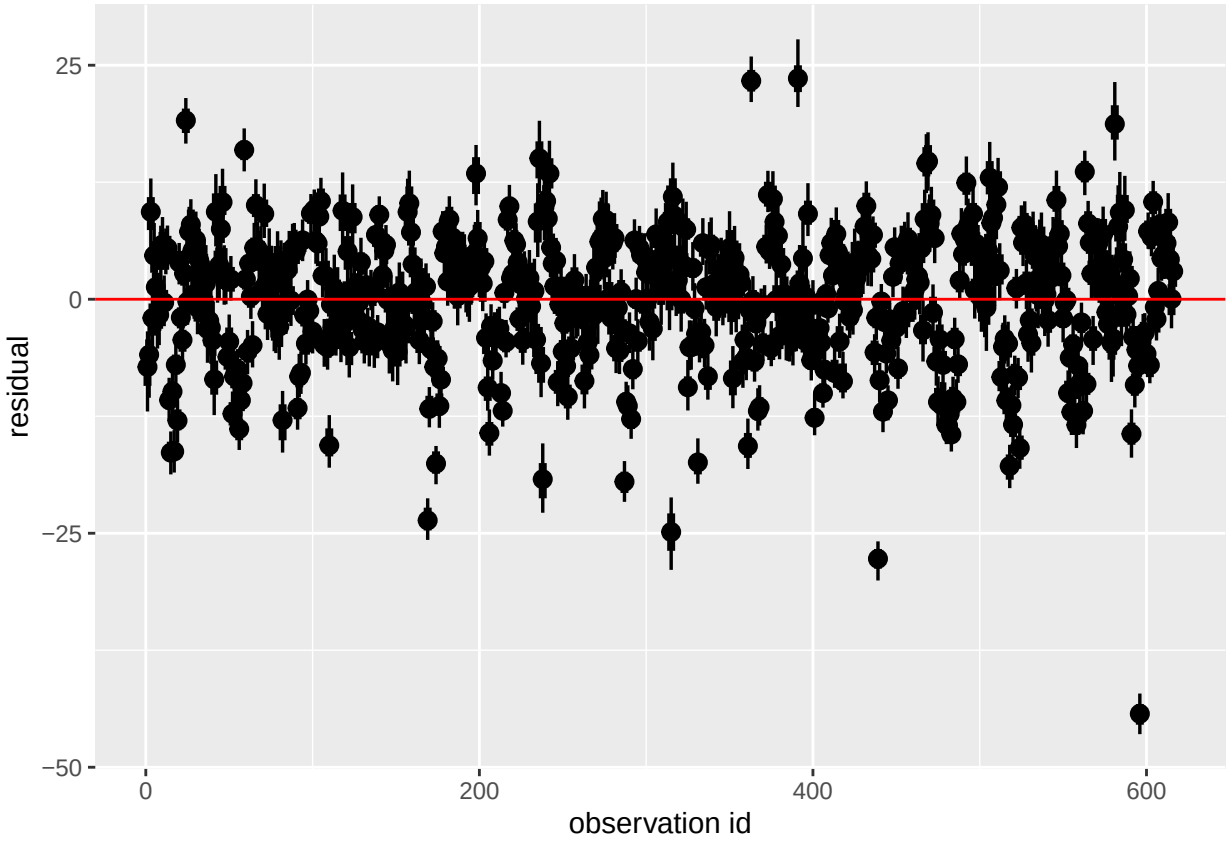
	Point est.	Upper C.I.
r_set:arm[N2_B,Intercept]	1.00	1.00
r_set:arm[N2_C,Intercept]	1.00	1.00
r_set:arm[N2_D,Intercept]	1.00	1.00
r_set:arm[N3_A,Intercept]	1.00	1.01
r_set:arm[N3_B,Intercept]	1.00	1.01
r_set:arm[N3_C,Intercept]	1.00	1.01
r_set:arm[N3_D,Intercept]	1.00	1.01
r_set:arm[N1_A,year]	1.00	1.01
r_set:arm[N1_B,year]	1.01	1.03
r_set:arm[N1_C,year]	1.00	1.01
r_set:arm[N1_D,year]	1.01	1.02
r_set:arm[N2_A,year]	1.00	1.00
r_set:arm[N2_B,year]	1.00	1.00
r_set:arm[N2_C,year]	1.00	1.00
r_set:arm[N2_D,year]	1.00	1.00
r_set:arm[N3_A,year]	1.00	1.00
r_set:arm[N3_B,year]	1.00	1.00
r_set:arm[N3_C,year]	1.00	1.00
r_set:arm[N3_D,year]	1.00	1.00
lp___	1.00	1.02

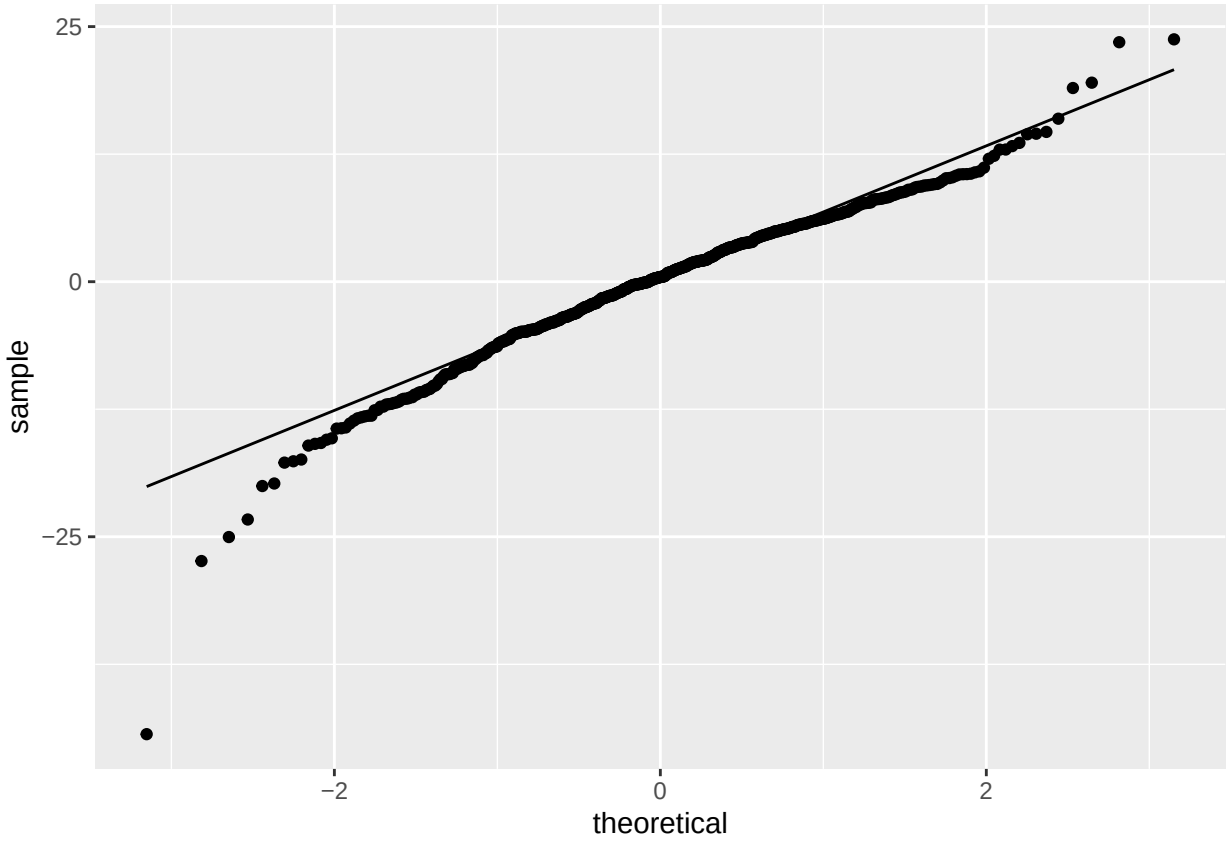
Number of divergences: 0

CACO: NausetMarshOldN






25
0
−25
−50
residual
0
200
400
600
observation id

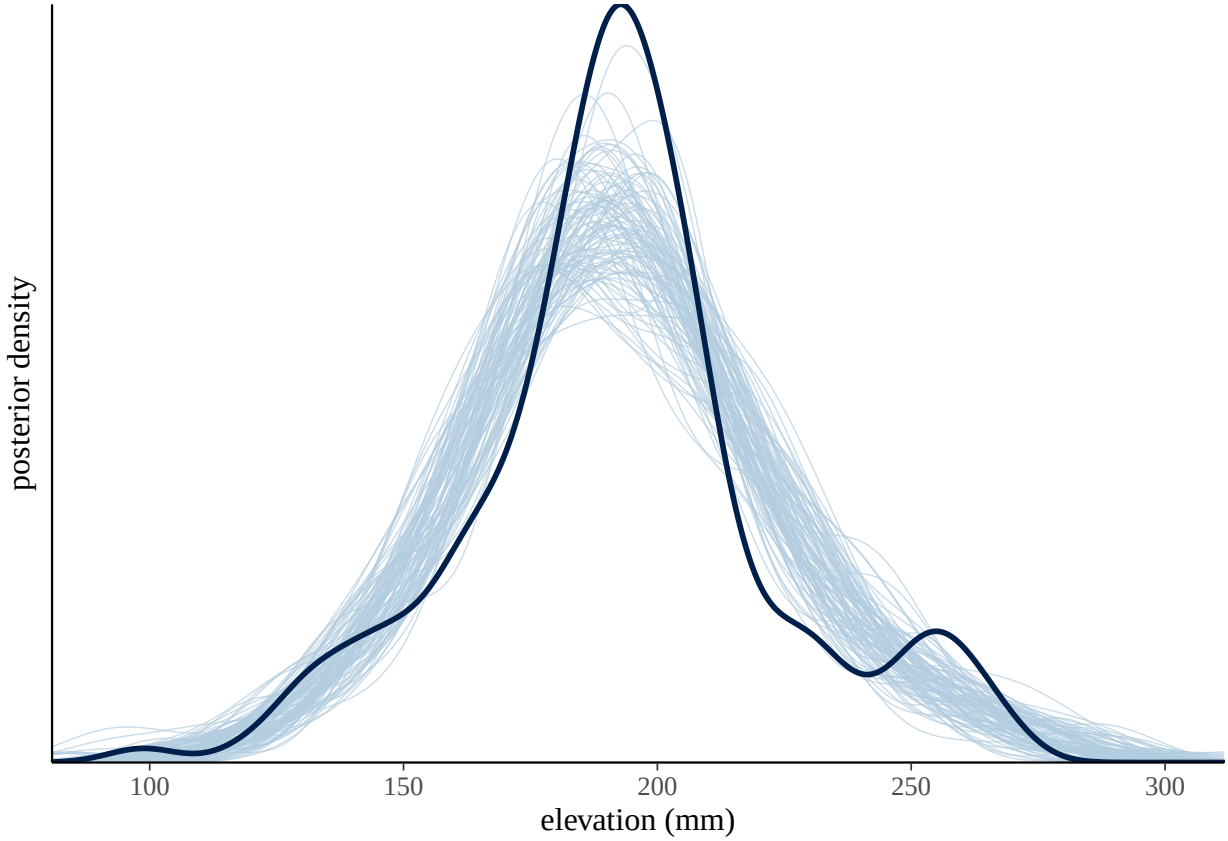


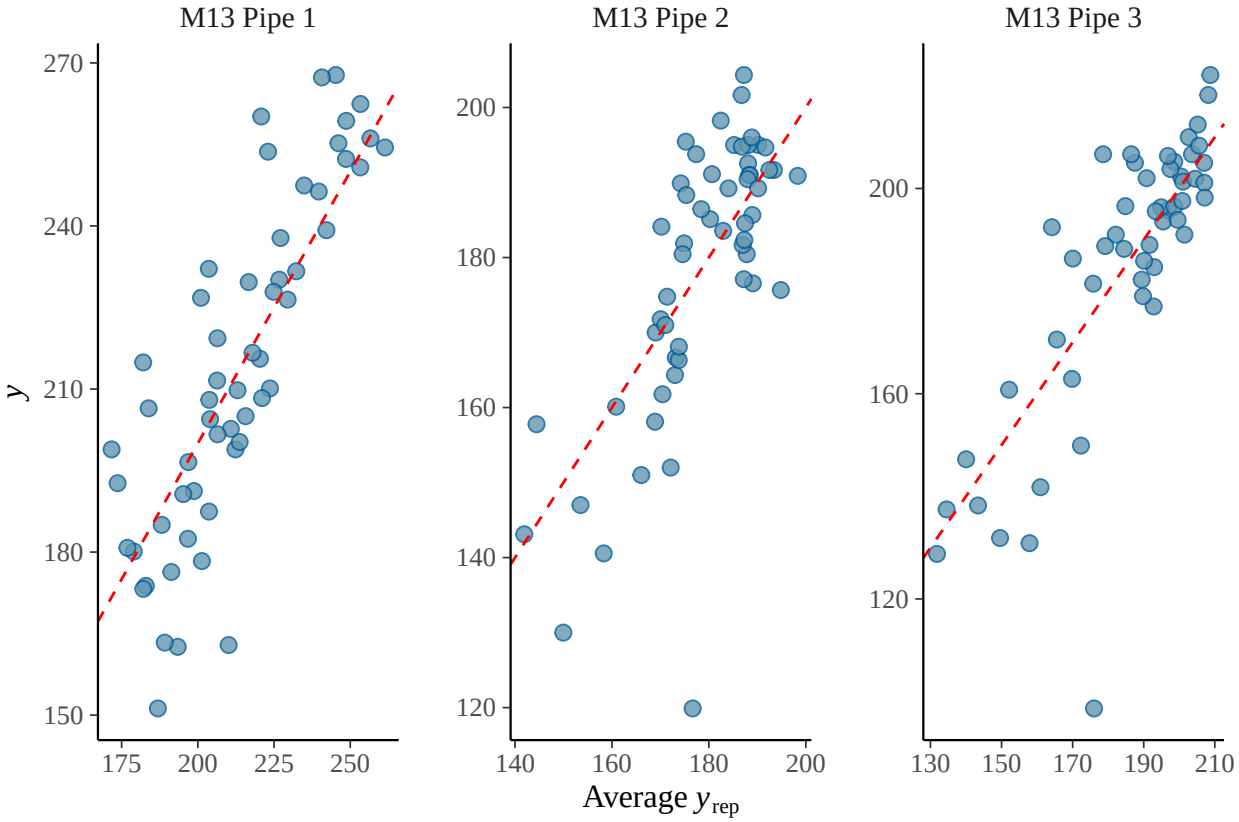
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.00	1.00
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.01	1.02
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[Old.N1,Intercept]	1.00	1.00
r_set[Old.N2,Intercept]	1.00	1.00
r_set[Old.N3,Intercept]	1.00	1.00
r_set[Old.N4,Intercept]	1.00	1.00
r_set[Old.N1,year]	1.00	1.01
r_set[Old.N2,year]	1.00	1.01
r_set[Old.N3,year]	1.00	1.00
r_set[Old.N4,year]	1.00	1.01
r_set:arm[Old.N1_A,Intercept]	1.00	1.00
r_set:arm[Old.N1_B,Intercept]	1.00	1.00
r_set:arm[Old.N1_C,Intercept]	1.00	1.00

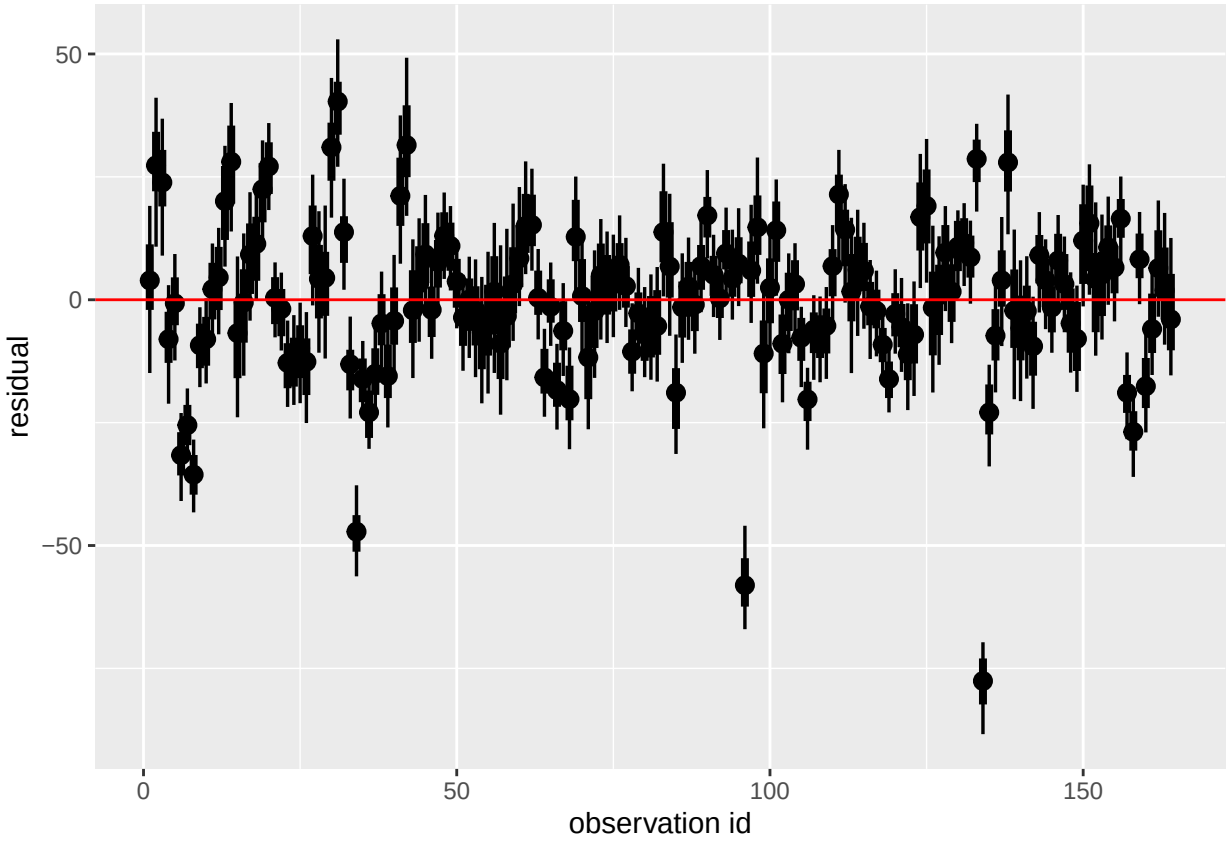
	Point est.	Upper C.I.
r_set:arm[Old.N1_D,Intercept]	1.00	1.00
r_set:arm[Old.N2_A,Intercept]	1.00	1.00
r_set:arm[Old.N2_B,Intercept]	1.00	1.00
r_set:arm[Old.N2_C,Intercept]	1.00	1.00
r_set:arm[Old.N2_D,Intercept]	1.00	1.00
r_set:arm[Old.N3_A,Intercept]	1.00	1.01
r_set:arm[Old.N3_B,Intercept]	1.00	1.01
r_set:arm[Old.N3_C,Intercept]	1.00	1.01
r_set:arm[Old.N3_D,Intercept]	1.00	1.01
r_set:arm[Old.N4_A,Intercept]	1.00	1.00
r_set:arm[Old.N4_B,Intercept]	1.00	1.00
r_set:arm[Old.N4_C,Intercept]	1.00	1.00
r_set:arm[Old.N4_D,Intercept]	1.00	1.00
r_set:arm[Old.N1_A,year]	1.00	1.00
r_set:arm[Old.N1_B,year]	1.00	1.00
r_set:arm[Old.N1_C,year]	1.00	1.00
r_set:arm[Old.N1_D,year]	1.00	1.00
r_set:arm[Old.N2_A,year]	1.00	1.00
r_set:arm[Old.N2_B,year]	1.00	1.00
r_set:arm[Old.N2_C,year]	1.00	1.00
r_set:arm[Old.N2_D,year]	1.00	1.00
r_set:arm[Old.N3_A,year]	1.00	1.01
r_set:arm[Old.N3_B,year]	1.00	1.01
r_set:arm[Old.N3_C,year]	1.00	1.01
r_set:arm[Old.N3_D,year]	1.00	1.00
r_set:arm[Old.N4_A,year]	1.00	1.00
r_set:arm[Old.N4_B,year]	1.00	1.00
r_set:arm[Old.N4_C,year]	1.00	1.00
r_set:arm[Old.N4_D,year]	1.00	1.01
lp___	1.00	1.00

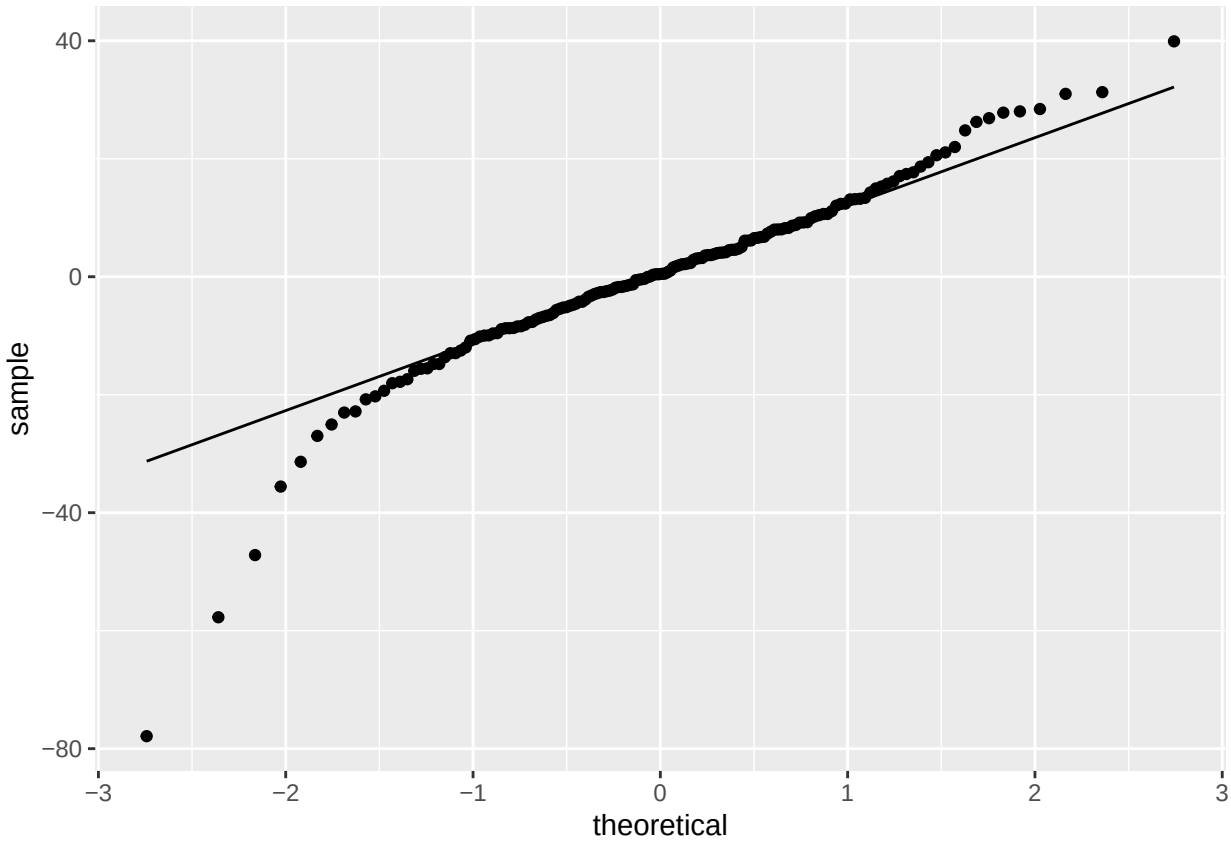
Number of divergences: 0

COLO: Marsh13






50
0
−50
residual
0
50
100
150
observation id

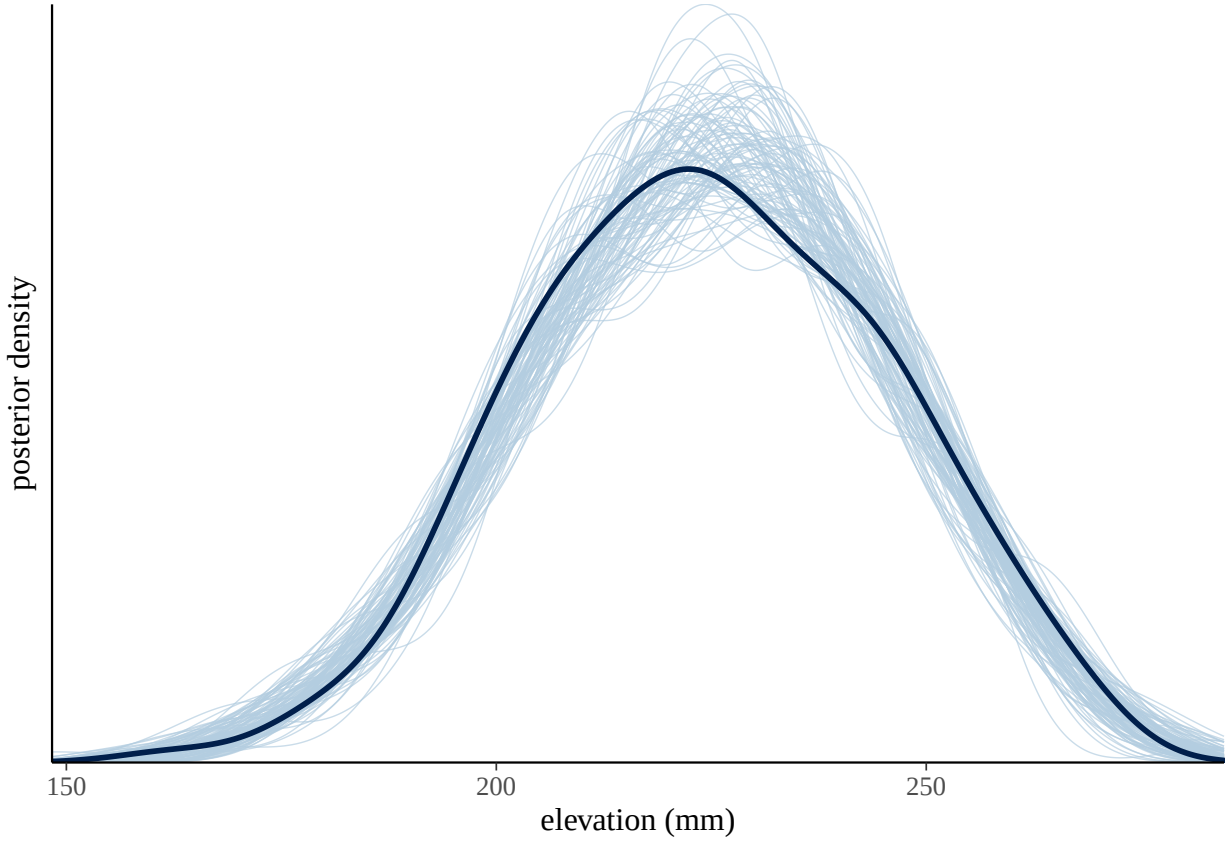


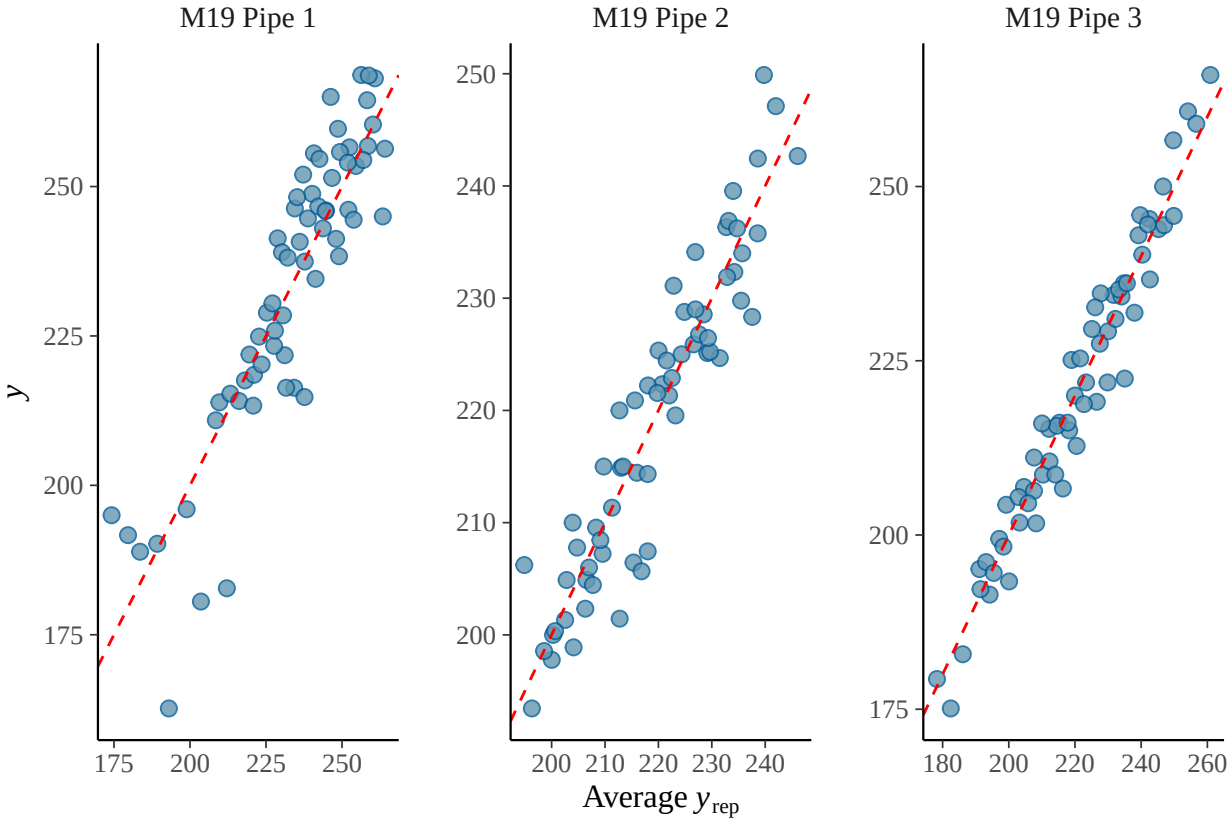
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.03	1.07
sd_set__year	1.03	1.03
sd_set:arm__Intercept	1.01	1.05
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.01	1.01
sigma	1.00	1.00
r_set[M13.Pipe.1,Intercept]	1.03	1.07
r_set[M13.Pipe.2,Intercept]	1.02	1.04
r_set[M13.Pipe.3,Intercept]	1.00	1.01
r_set[M13.Pipe.1,year]	1.00	1.00
r_set[M13.Pipe.2,year]	1.00	1.01
r_set[M13.Pipe.3,year]	1.00	1.01
r_set:arm[M13.Pipe.1_A,Intercept]	1.01	1.02
r_set:arm[M13.Pipe.1_B,Intercept]	1.02	1.06
r_set:arm[M13.Pipe.1_C,Intercept]	1.01	1.04
r_set:arm[M13.Pipe.1_D,Intercept]	1.01	1.05
r_set:arm[M13.Pipe.2_A,Intercept]	1.00	1.00

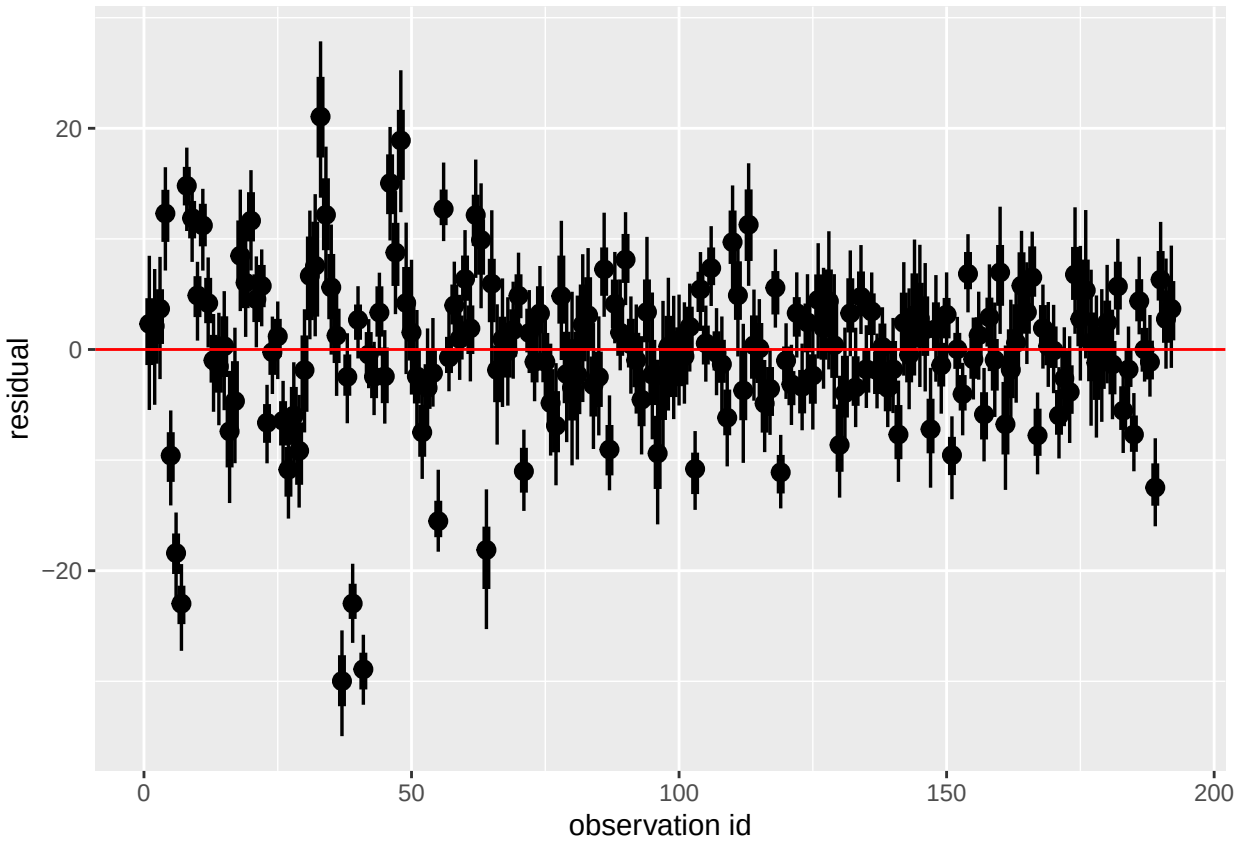
	Point est.	Upper C.I.
r_set:arm[M13.Pipe.2_B,Intercept]	1.00	1.01
r_set:arm[M13.Pipe.2_C,Intercept]	1.00	1.02
r_set:arm[M13.Pipe.2_D,Intercept]	1.01	1.02
r_set:arm[M13.Pipe.3_A,Intercept]	1.00	1.00
r_set:arm[M13.Pipe.3_B,Intercept]	1.00	1.00
r_set:arm[M13.Pipe.3_C,Intercept]	1.00	1.00
r_set:arm[M13.Pipe.3_D,Intercept]	1.00	1.00
r_set:arm[M13.Pipe.1_A,year]	1.00	1.00
r_set:arm[M13.Pipe.1_B,year]	1.00	1.01
r_set:arm[M13.Pipe.1_C,year]	1.00	1.00
r_set:arm[M13.Pipe.1_D,year]	1.00	1.00
r_set:arm[M13.Pipe.2_A,year]	1.00	1.00
r_set:arm[M13.Pipe.2_B,year]	1.00	1.00
r_set:arm[M13.Pipe.2_C,year]	1.00	1.00
r_set:arm[M13.Pipe.2_D,year]	1.00	1.01
r_set:arm[M13.Pipe.3_A,year]	1.00	1.00
r_set:arm[M13.Pipe.3_B,year]	1.00	1.00
r_set:arm[M13.Pipe.3_C,year]	1.00	1.00
r_set:arm[M13.Pipe.3_D,year]	1.00	1.00
lp___	1.01	1.04

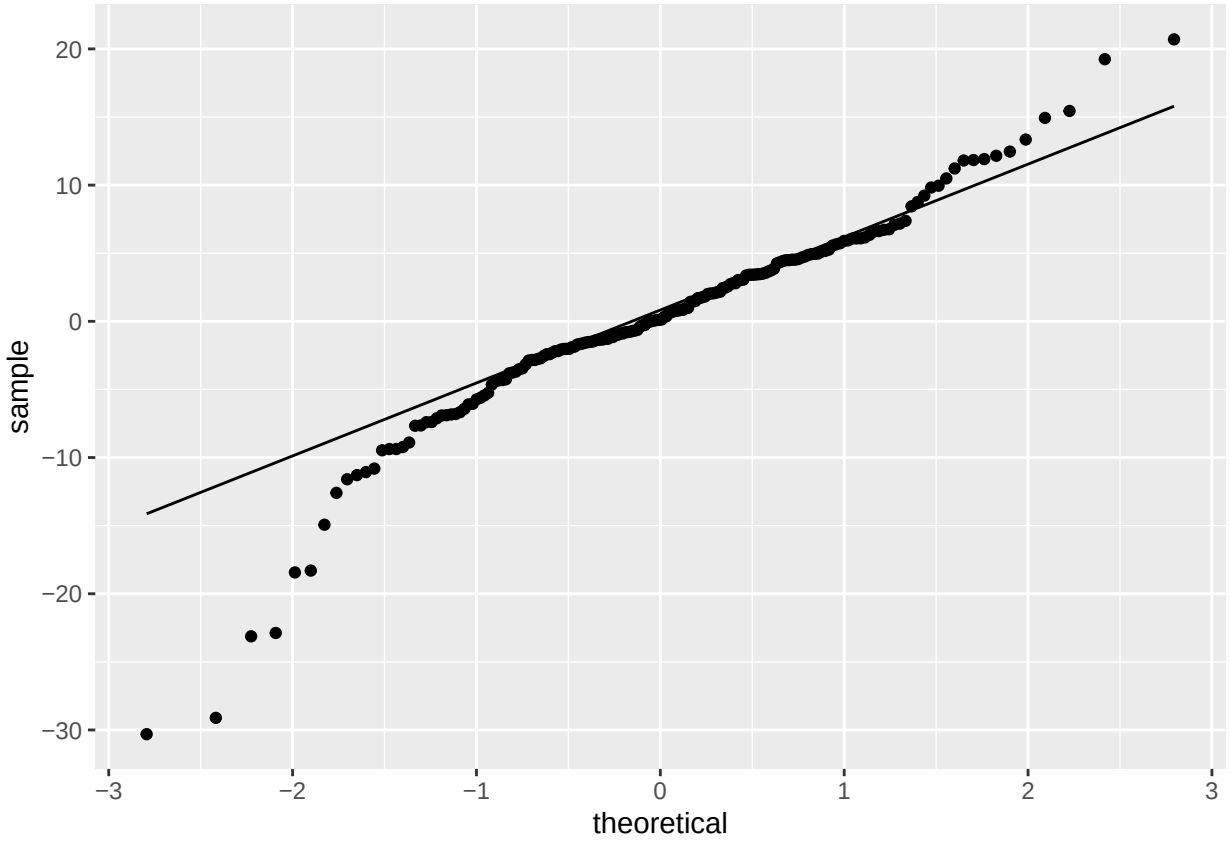
Number of divergences: 5

COLO: Marsh19






residual
20
0
−20
0
50
100
150
200
observation id

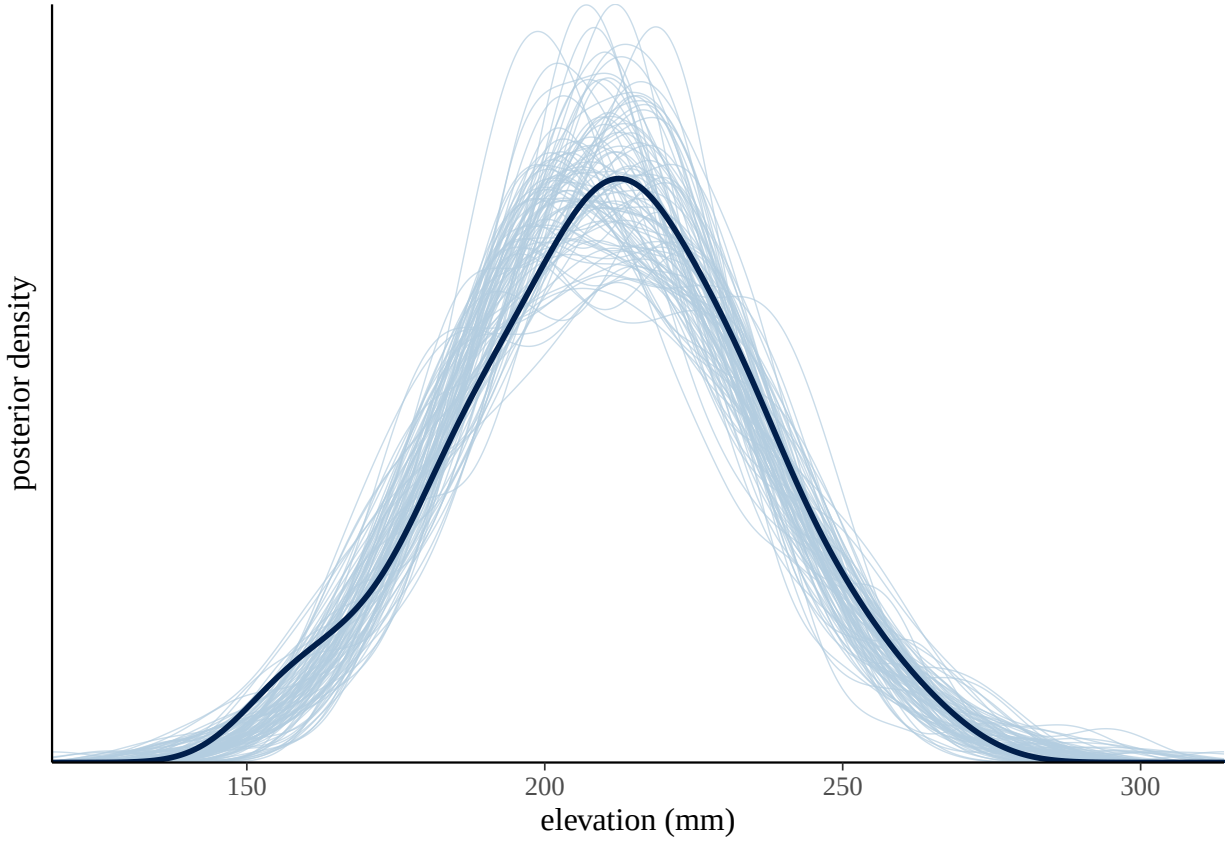


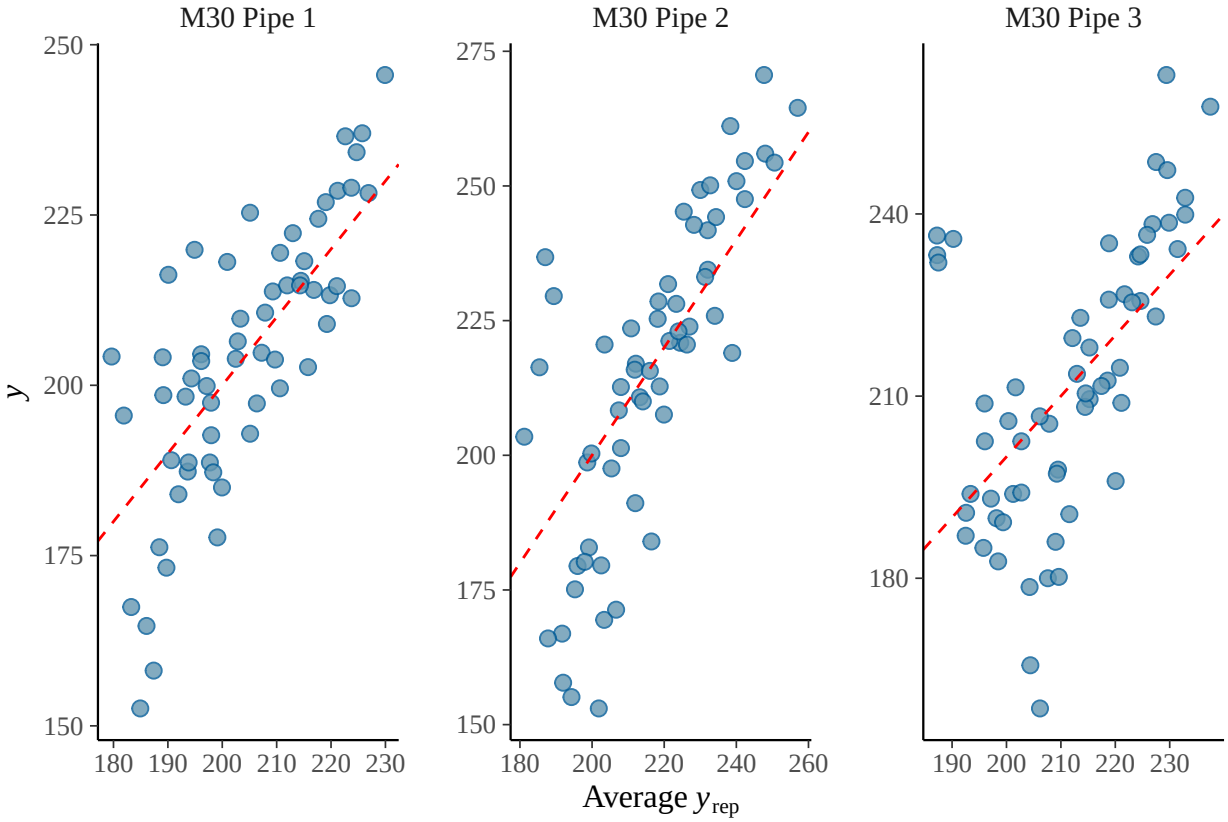
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.02	1.02
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.01
r_set[M19.Pipe.1,Intercept]	1.01	1.01
r_set[M19.Pipe.2,Intercept]	1.01	1.01
r_set[M19.Pipe.3,Intercept]	1.03	1.03
r_set[M19.Pipe.1,year]	1.00	1.01
r_set[M19.Pipe.2,year]	1.01	1.02
r_set[M19.Pipe.3,year]	1.00	1.01
r_set:arm[M19.Pipe.1_A,Intercept]	1.00	1.00
r_set:arm[M19.Pipe.1_B,Intercept]	1.00	1.00
r_set:arm[M19.Pipe.1_C,Intercept]	1.00	1.00
r_set:arm[M19.Pipe.1_D,Intercept]	1.00	1.00
r_set:arm[M19.Pipe.2_A,Intercept]	1.00	1.00

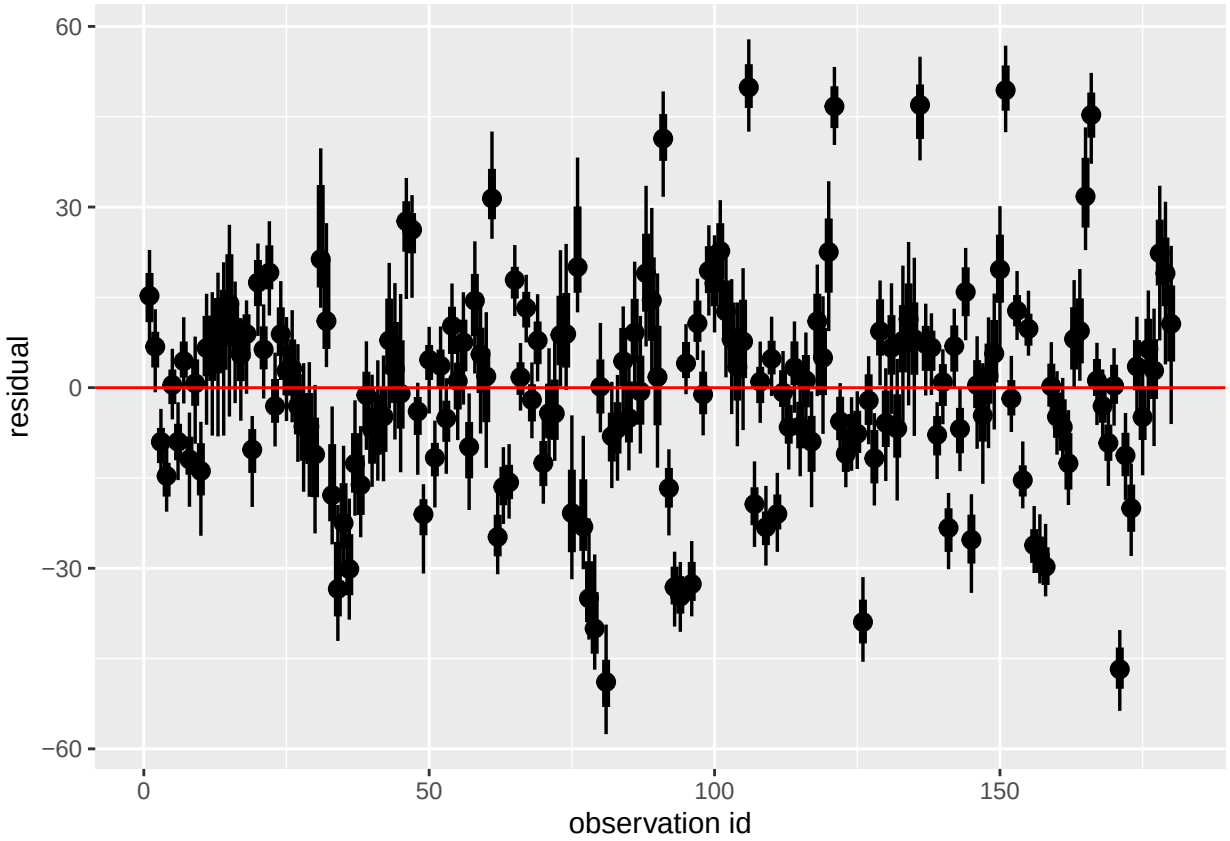
	Point est.	Upper C.I.
r_set:arm[M19.Pipe.2_B,Intercept]	1.00	1.01
r_set:arm[M19.Pipe.2_C,Intercept]	1.00	1.00
r_set:arm[M19.Pipe.2_D,Intercept]	1.00	1.00
r_set:arm[M19.Pipe.3_A,Intercept]	1.00	1.00
r_set:arm[M19.Pipe.3_B,Intercept]	1.00	1.00
r_set:arm[M19.Pipe.3_C,Intercept]	1.00	1.00
r_set:arm[M19.Pipe.3_D,Intercept]	1.00	1.00
r_set:arm[M19.Pipe.1_A,year]	1.00	1.00
r_set:arm[M19.Pipe.1_B,year]	1.00	1.00
r_set:arm[M19.Pipe.1_C,year]	1.00	1.00
r_set:arm[M19.Pipe.1_D,year]	1.00	1.01
r_set:arm[M19.Pipe.2_A,year]	1.00	1.00
r_set:arm[M19.Pipe.2_B,year]	1.00	1.00
r_set:arm[M19.Pipe.2_C,year]	1.00	1.00
r_set:arm[M19.Pipe.2_D,year]	1.00	1.00
r_set:arm[M19.Pipe.3_A,year]	1.00	1.00
r_set:arm[M19.Pipe.3_B,year]	1.00	1.00
r_set:arm[M19.Pipe.3_C,year]	1.00	1.00
r_set:arm[M19.Pipe.3_D,year]	1.00	1.00
lp___	1.00	1.01

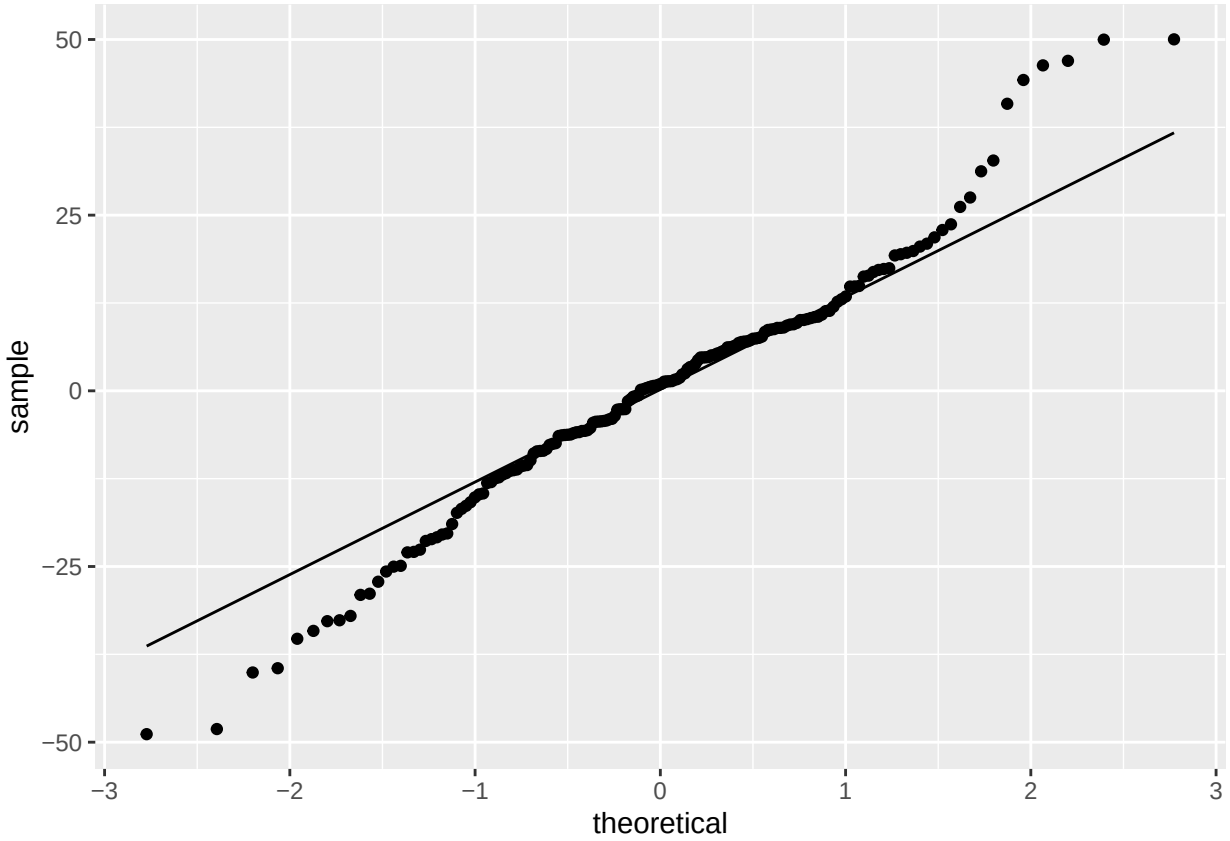
Number of divergences: 0

COLO: Marsh30






60
30
0
−30
−60
residual
0
50
100
150
observation id

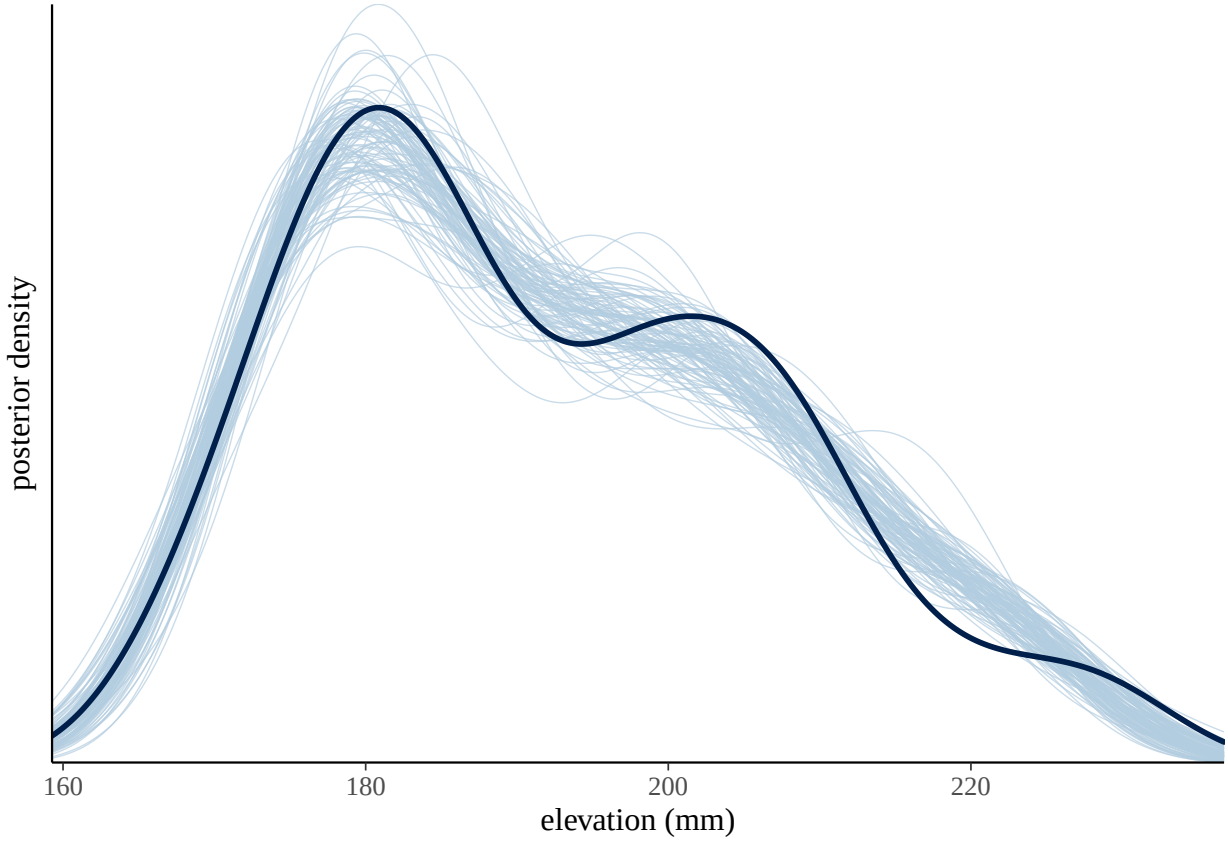


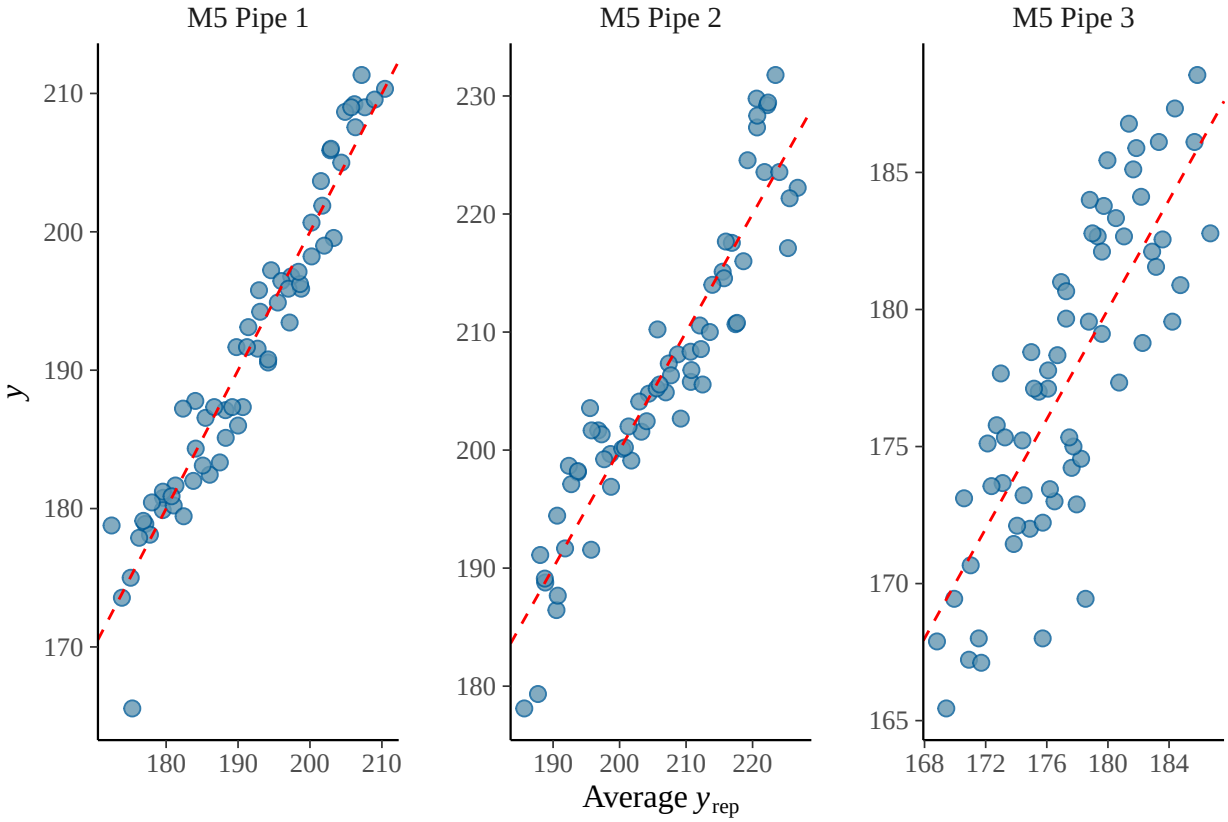
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.01	1.03
sd_set__Intercept	1.02	1.02
sd_set__year	1.01	1.04
sd_set:arm__Intercept	1.02	1.06
sd_set:arm__year	1.03	1.09
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[M30.Pipe.1,Intercept]	1.03	1.03
r_set[M30.Pipe.2,Intercept]	1.01	1.01
r_set[M30.Pipe.3,Intercept]	1.01	1.01
r_set[M30.Pipe.1,year]	1.01	1.02
r_set[M30.Pipe.2,year]	1.02	1.06
r_set[M30.Pipe.3,year]	1.01	1.03
r_set:arm[M30.Pipe.1_A,Intercept]	1.01	1.03
r_set:arm[M30.Pipe.1_B,Intercept]	1.01	1.02
r_set:arm[M30.Pipe.1_C,Intercept]	1.02	1.06
r_set:arm[M30.Pipe.1_D,Intercept]	1.01	1.04
r_set:arm[M30.Pipe.2_A,Intercept]	1.01	1.03

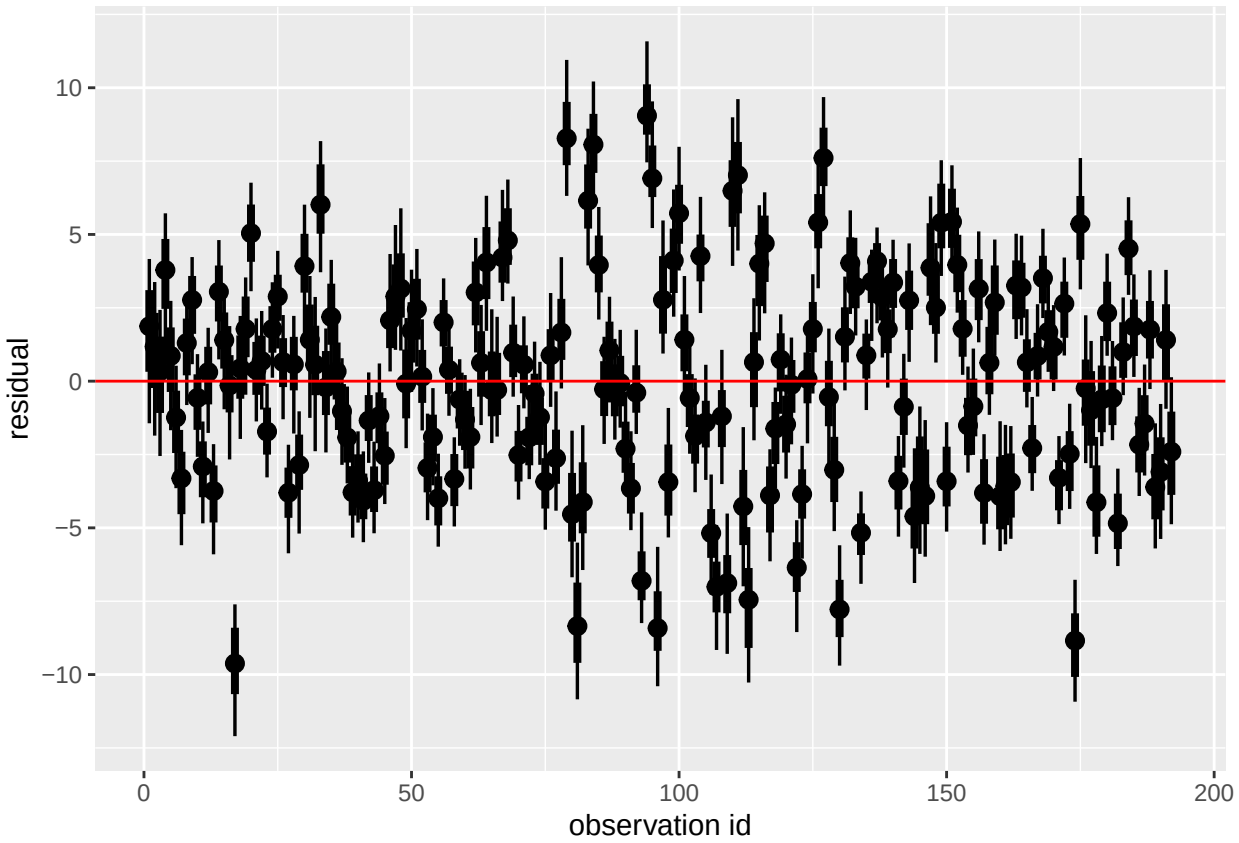
	Point est.	Upper C.I.
r_set:arm[M30.Pipe.2_B,Intercept]	1.01	1.05
r_set:arm[M30.Pipe.2_C,Intercept]	1.01	1.04
r_set:arm[M30.Pipe.2_D,Intercept]	1.01	1.01
r_set:arm[M30.Pipe.3_A,Intercept]	1.01	1.01
r_set:arm[M30.Pipe.3_B,Intercept]	1.01	1.02
r_set:arm[M30.Pipe.3_C,Intercept]	1.01	1.01
r_set:arm[M30.Pipe.3_D,Intercept]	1.00	1.00
r_set:arm[M30.Pipe.1_A,year]	1.00	1.00
r_set:arm[M30.Pipe.1_B,year]	1.01	1.01
r_set:arm[M30.Pipe.1_C,year]	1.03	1.09
r_set:arm[M30.Pipe.1_D,year]	1.00	1.00
r_set:arm[M30.Pipe.2_A,year]	1.01	1.02
r_set:arm[M30.Pipe.2_B,year]	1.00	1.00
r_set:arm[M30.Pipe.2_C,year]	1.02	1.07
r_set:arm[M30.Pipe.2_D,year]	1.02	1.06
r_set:arm[M30.Pipe.3_A,year]	1.00	1.01
r_set:arm[M30.Pipe.3_B,year]	1.01	1.02
r_set:arm[M30.Pipe.3_C,year]	1.00	1.00
r_set:arm[M30.Pipe.3_D,year]	1.01	1.02
lp___	1.00	1.01

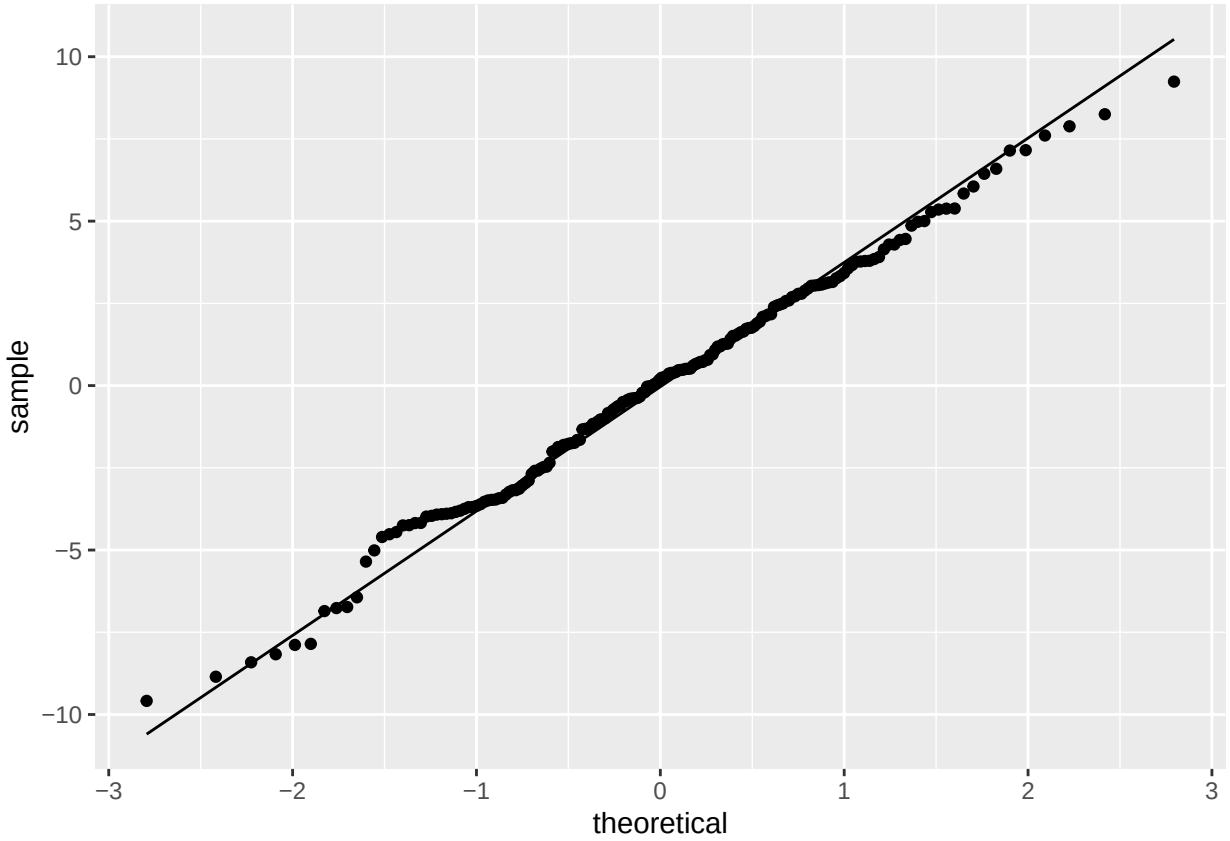
Number of divergences: 0

COLO: Marsh5


posterior density
160
180
200
220
elevation (mm)


M5 Pipe 1
M5 Pipe 2
M5 Pipe 3
y
210
200
190
180
170
230
220
210
200
190
180
185
180
175
170
165
180
190
200
210
190
200
210
220
168
172
176
180
184
Average y_{rep}


10
5
0
−5
−10
residual
0
50
100
150
200
observation id

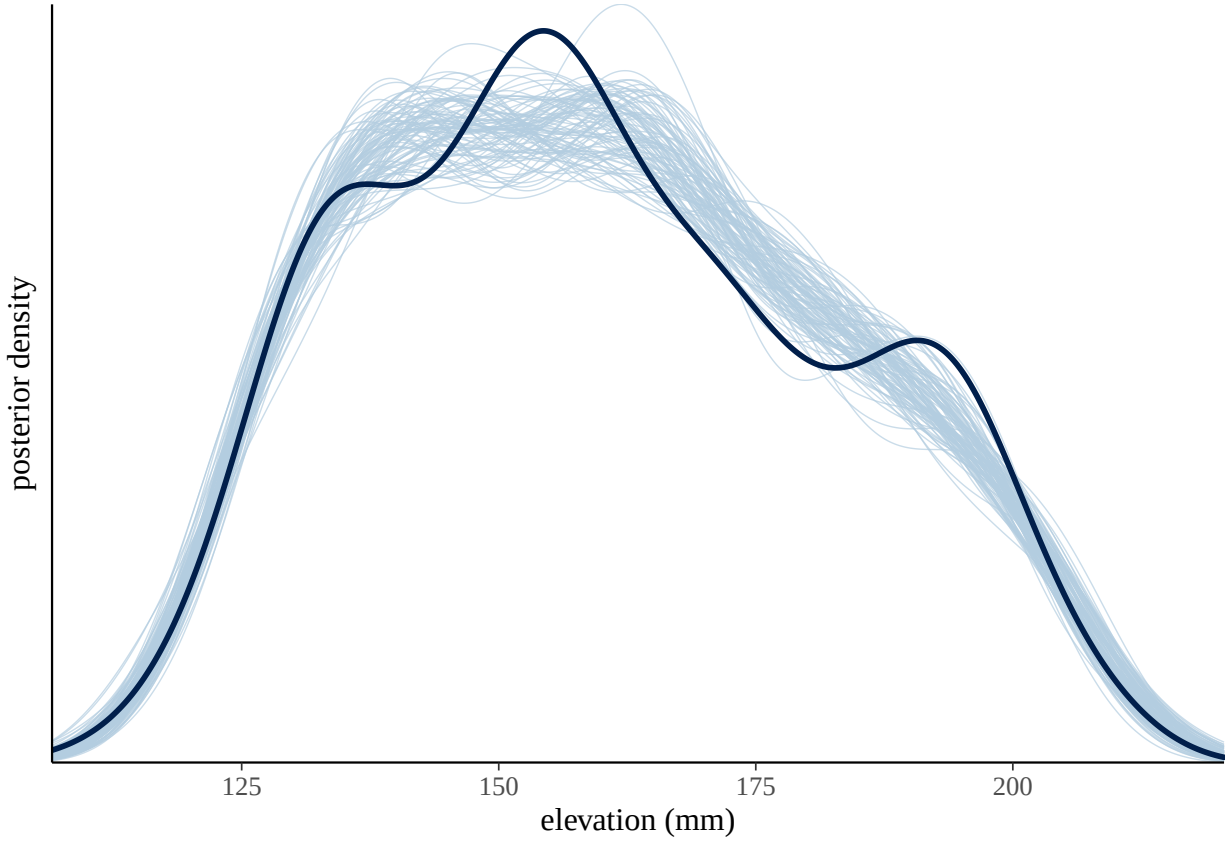


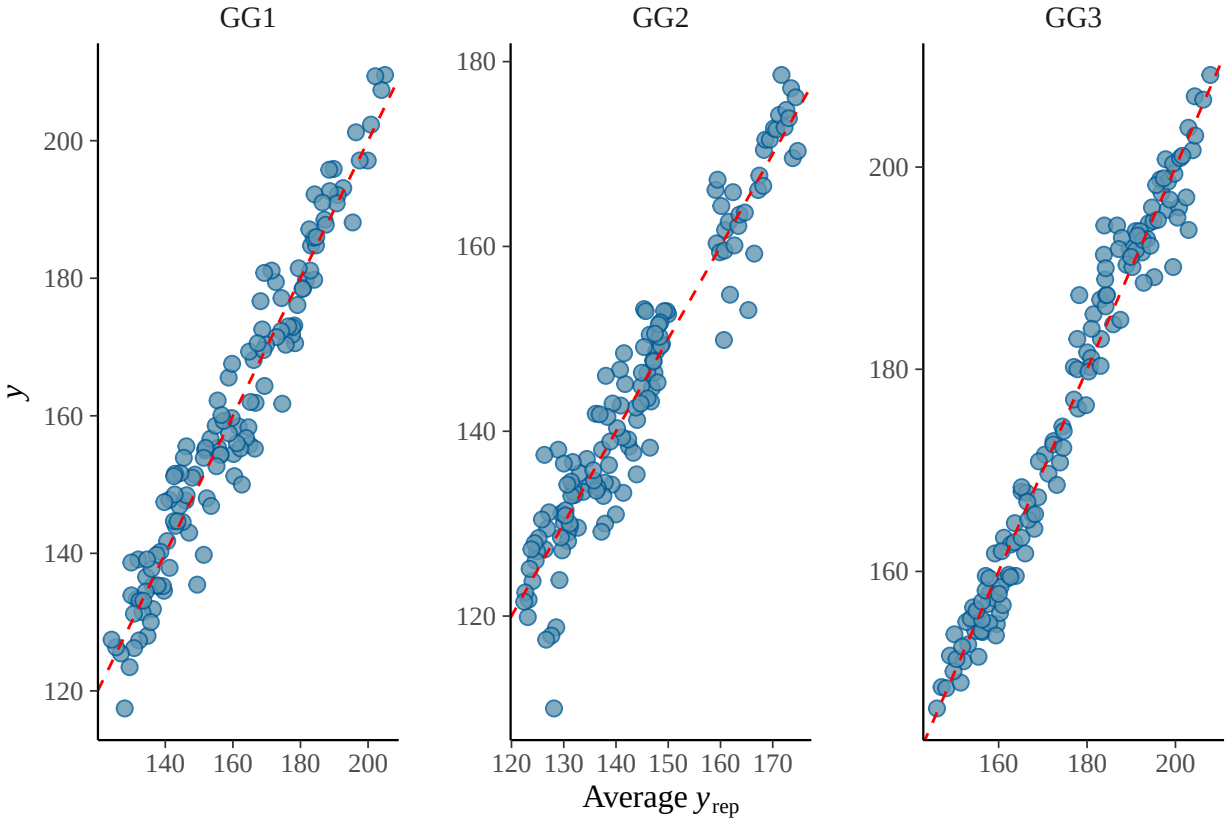
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.01
sd_set__Intercept	1.02	1.03
sd_set__year	1.00	1.01
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.01
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[M5.Pipe.1,Intercept]	1.00	1.01
r_set[M5.Pipe.2,Intercept]	1.00	1.01
r_set[M5.Pipe.3,Intercept]	1.00	1.01
r_set[M5.Pipe.1,year]	1.00	1.01
r_set[M5.Pipe.2,year]	1.00	1.01
r_set[M5.Pipe.3,year]	1.00	1.01
r_set:arm[M5.Pipe.1_A,Intercept]	1.00	1.00
r_set:arm[M5.Pipe.1_B,Intercept]	1.00	1.00
r_set:arm[M5.Pipe.1_C,Intercept]	1.00	1.00
r_set:arm[M5.Pipe.1_D,Intercept]	1.00	1.00
r_set:arm[M5.Pipe.2_A,Intercept]	1.00	1.01

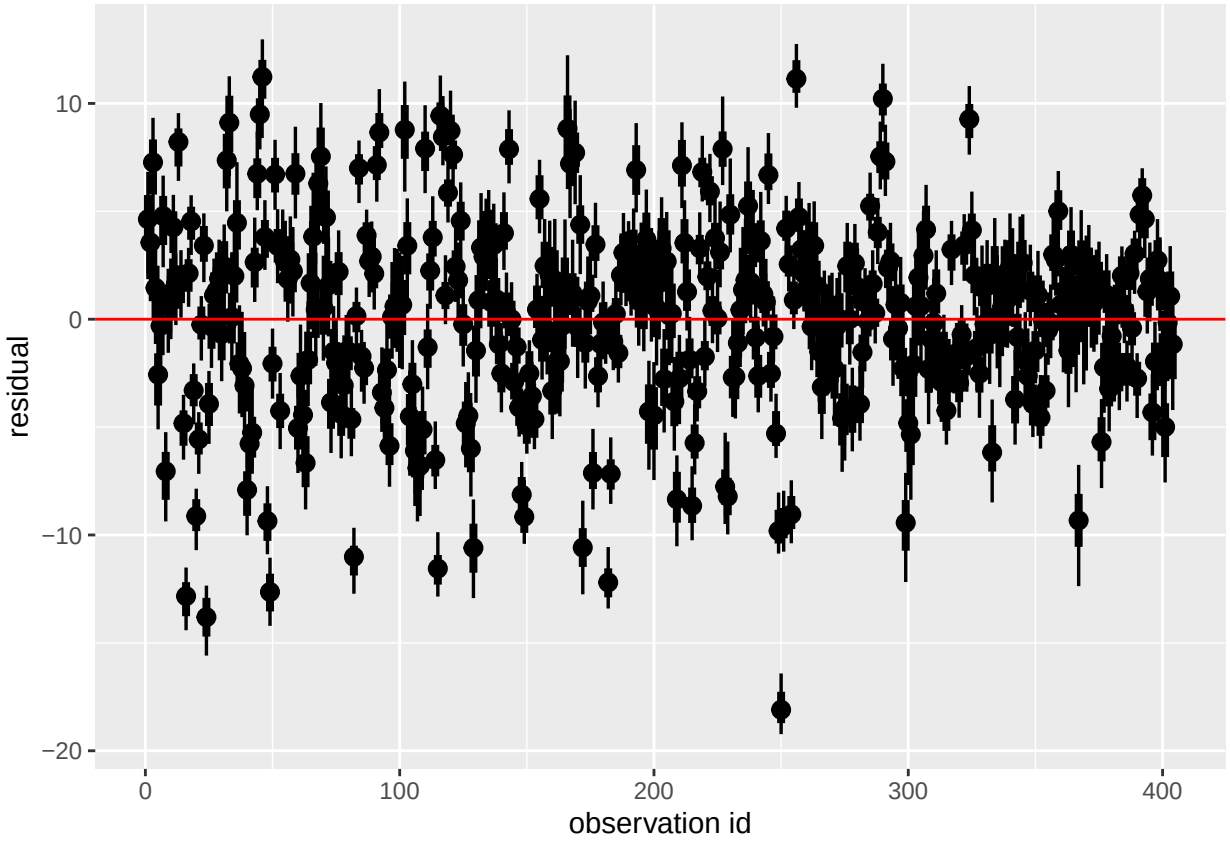
	Point est.	Upper C.I.
r_set:arm[M5.Pipe.2_B,Intercept]	1.00	1.01
r_set:arm[M5.Pipe.2_C,Intercept]	1.00	1.01
r_set:arm[M5.Pipe.2_D,Intercept]	1.00	1.01
r_set:arm[M5.Pipe.3_A,Intercept]	1.01	1.03
r_set:arm[M5.Pipe.3_B,Intercept]	1.01	1.02
r_set:arm[M5.Pipe.3_C,Intercept]	1.01	1.01
r_set:arm[M5.Pipe.3_D,Intercept]	1.01	1.02
r_set:arm[M5.Pipe.1_A,year]	1.00	1.00
r_set:arm[M5.Pipe.1_B,year]	1.00	1.00
r_set:arm[M5.Pipe.1_C,year]	1.01	1.01
r_set:arm[M5.Pipe.1_D,year]	1.01	1.01
r_set:arm[M5.Pipe.2_A,year]	1.01	1.01
r_set:arm[M5.Pipe.2_B,year]	1.00	1.00
r_set:arm[M5.Pipe.2_C,year]	1.00	1.00
r_set:arm[M5.Pipe.2_D,year]	1.00	1.00
r_set:arm[M5.Pipe.3_A,year]	1.00	1.00
r_set:arm[M5.Pipe.3_B,year]	1.00	1.00
r_set:arm[M5.Pipe.3_C,year]	1.00	1.00
r_set:arm[M5.Pipe.3_D,year]	1.00	1.00
lp___	1.00	1.00

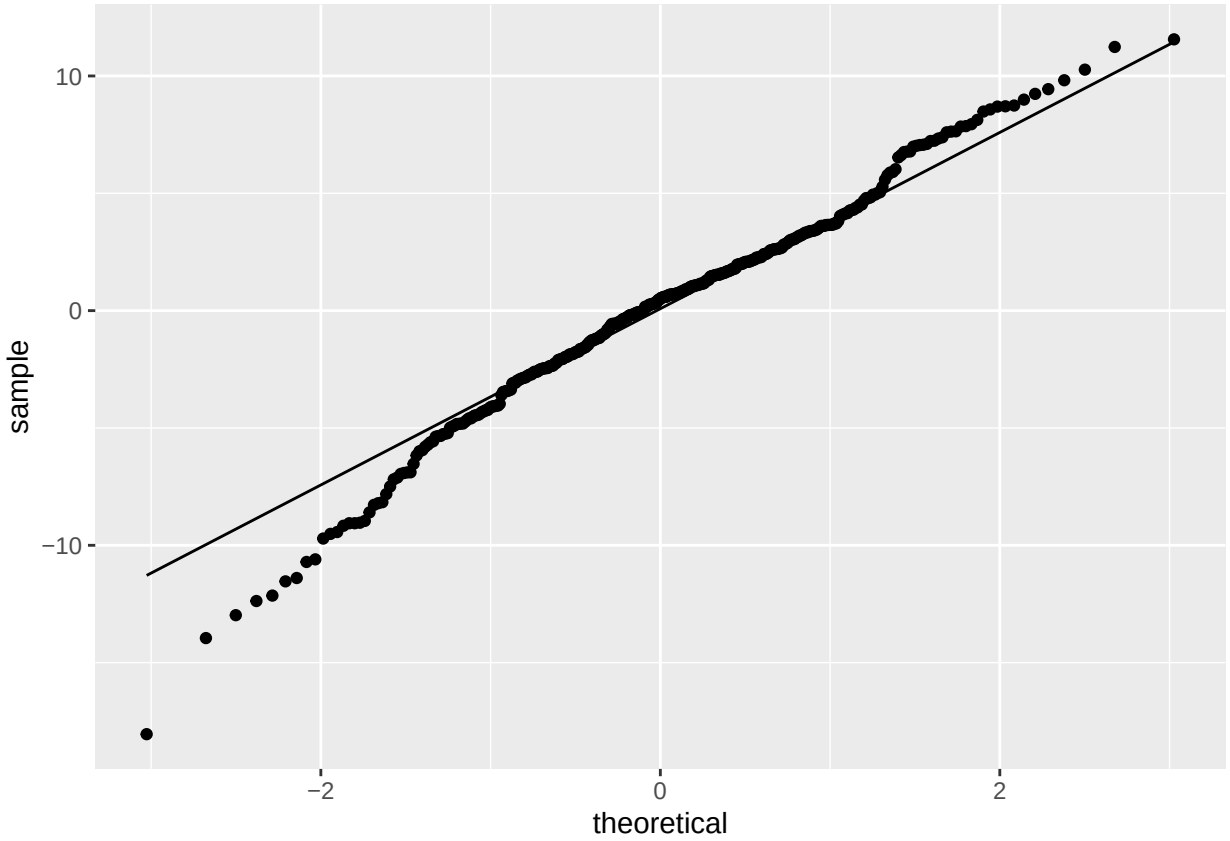
Number of divergences: 0

FIIS: GreatGun






10
0
−10
−20
residual
0
100
200
300
400
observation id

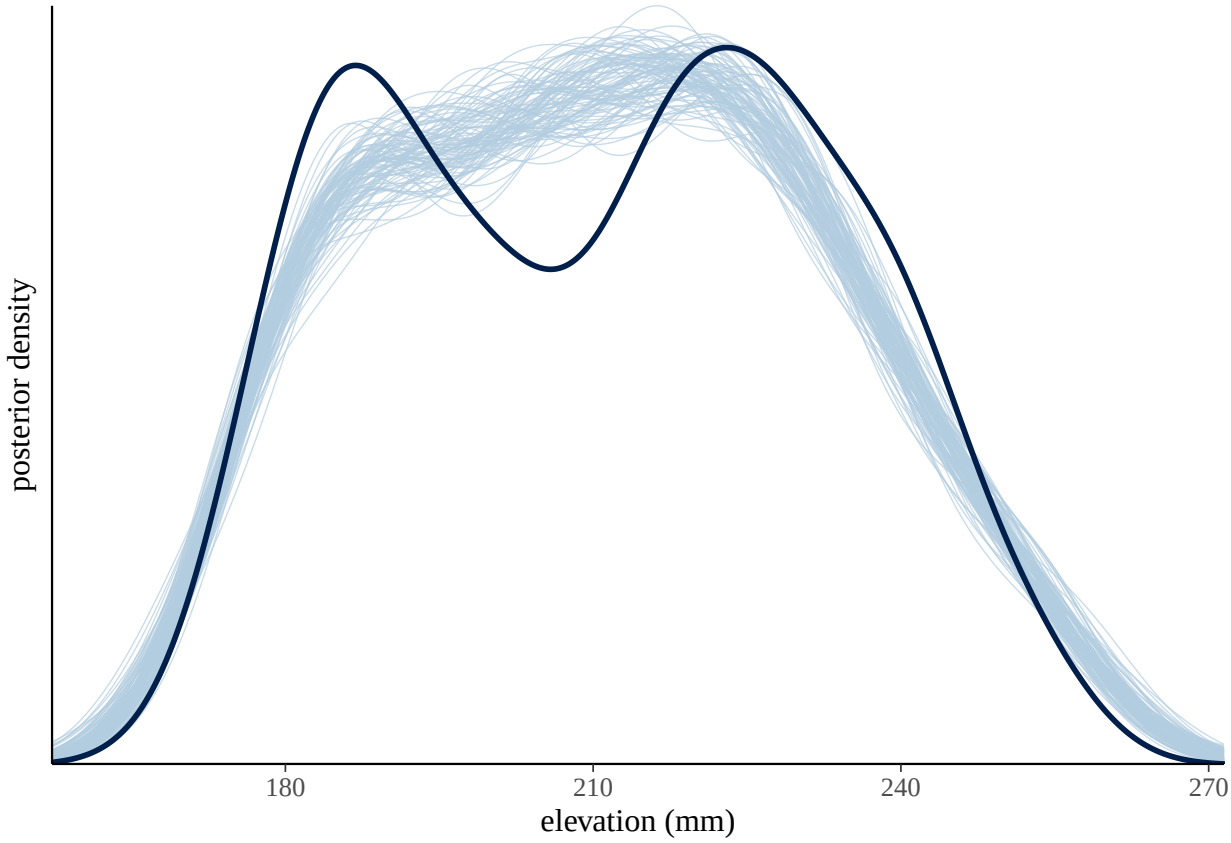


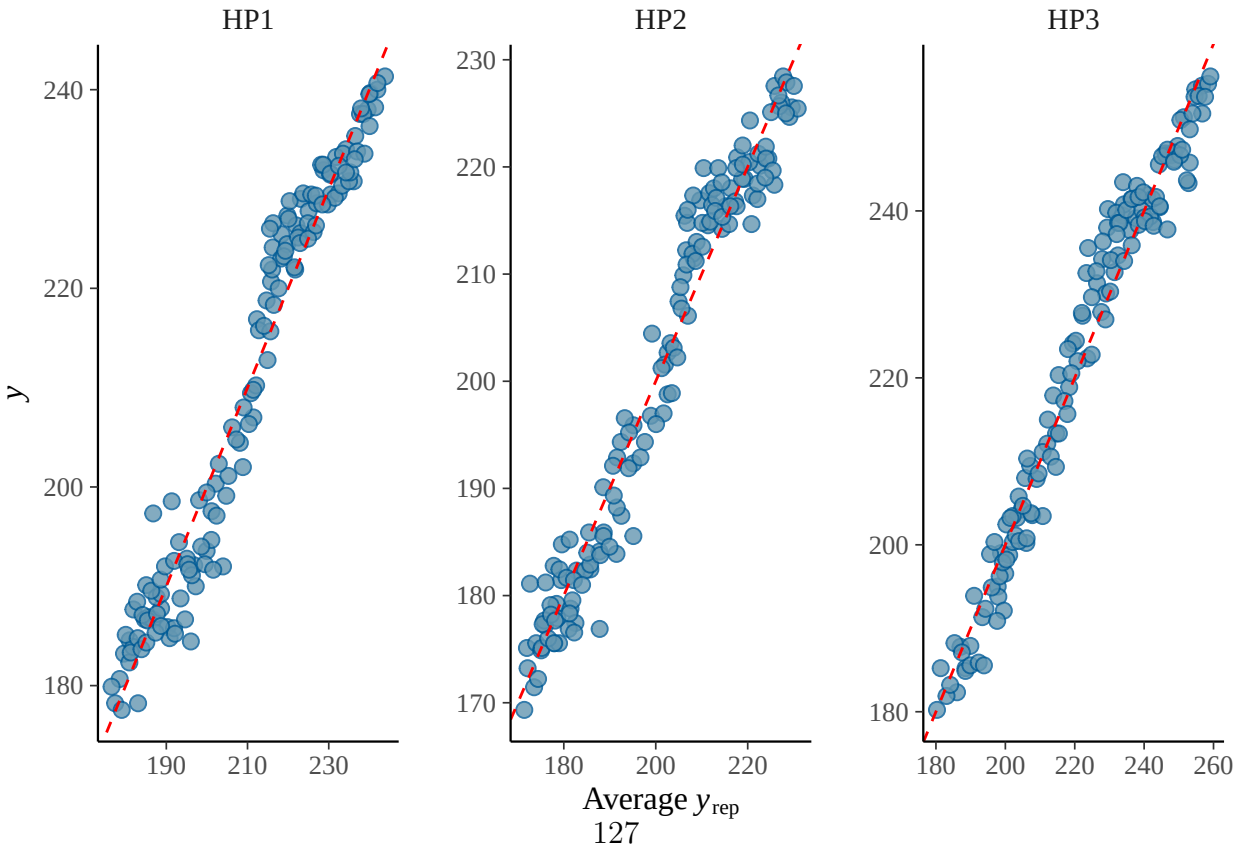
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.01
sd_set__Intercept	1.01	1.02
sd_set__year	1.00	1.01
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[GG1,Intercept]	1.00	1.01
r_set[GG2,Intercept]	1.01	1.01
r_set[GG3,Intercept]	1.00	1.01
r_set[GG1,year]	1.00	1.01
r_set[GG2,year]	1.00	1.00
r_set[GG3,year]	1.00	1.00
r_set:arm[GG1_A,Intercept]	1.01	1.02
r_set:arm[GG1_B,Intercept]	1.01	1.02
r_set:arm[GG1_C,Intercept]	1.01	1.02
r_set:arm[GG1_D,Intercept]	1.01	1.02
r_set:arm[GG2_A,Intercept]	1.00	1.01

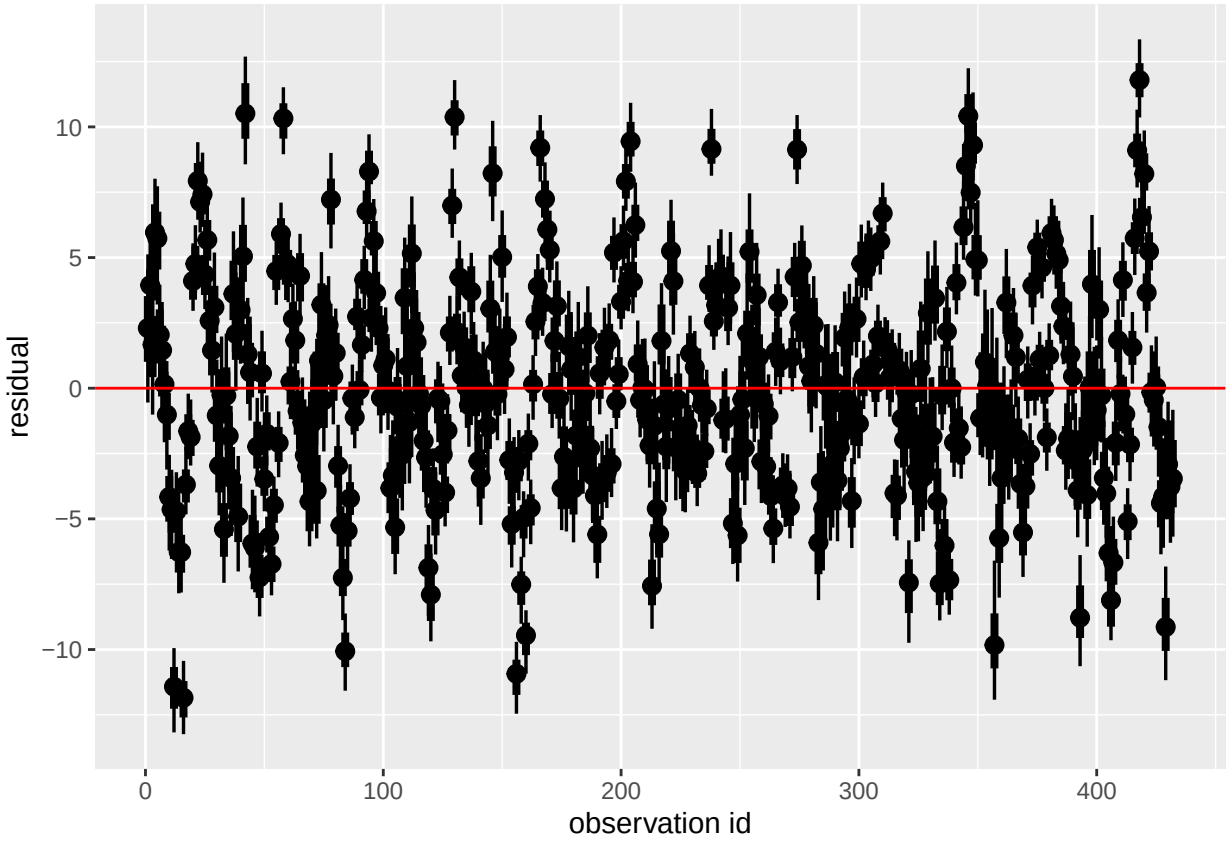
	Point est.	Upper C.I.
r_set:arm[GG2_B,Intercept]	1.00	1.01
r_set:arm[GG2_C,Intercept]	1.00	1.01
r_set:arm[GG2_D,Intercept]	1.00	1.01
r_set:arm[GG3_A,Intercept]	1.00	1.00
r_set:arm[GG3_B,Intercept]	1.00	1.01
r_set:arm[GG3_C,Intercept]	1.00	1.01
r_set:arm[GG3_D,Intercept]	1.00	1.01
r_set:arm[GG1_A,year]	1.00	1.01
r_set:arm[GG1_B,year]	1.00	1.01
r_set:arm[GG1_C,year]	1.00	1.01
r_set:arm[GG1_D,year]	1.00	1.01
r_set:arm[GG2_A,year]	1.00	1.01
r_set:arm[GG2_B,year]	1.00	1.01
r_set:arm[GG2_C,year]	1.00	1.01
r_set:arm[GG2_D,year]	1.00	1.01
r_set:arm[GG3_A,year]	1.00	1.00
r_set:arm[GG3_B,year]	1.00	1.00
r_set:arm[GG3_C,year]	1.00	1.00
r_set:arm[GG3_D,year]	1.00	1.00
lp___	1.01	1.02

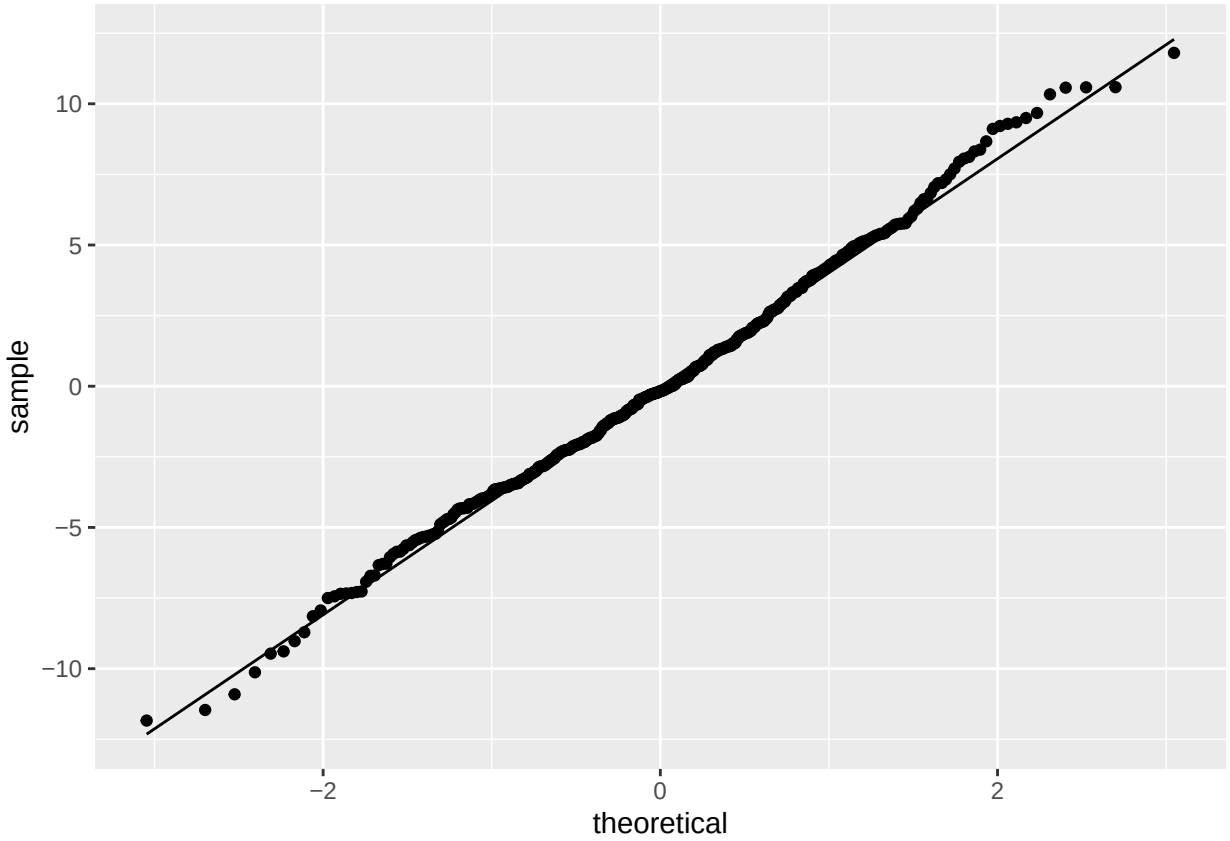
Number of divergences: 0

FIIS: HospitalPoint






residual
10
5
0
−5
−10
0
100
200
300
400
observation id

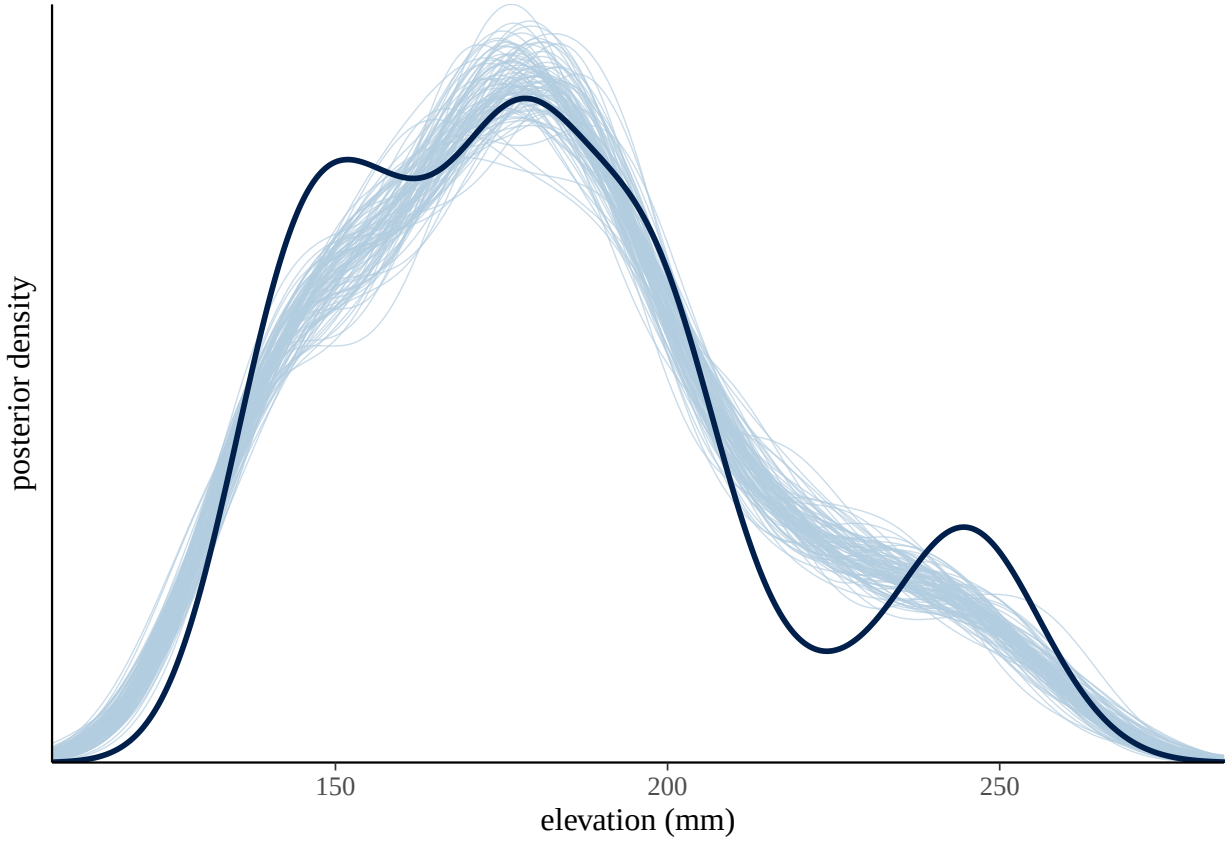


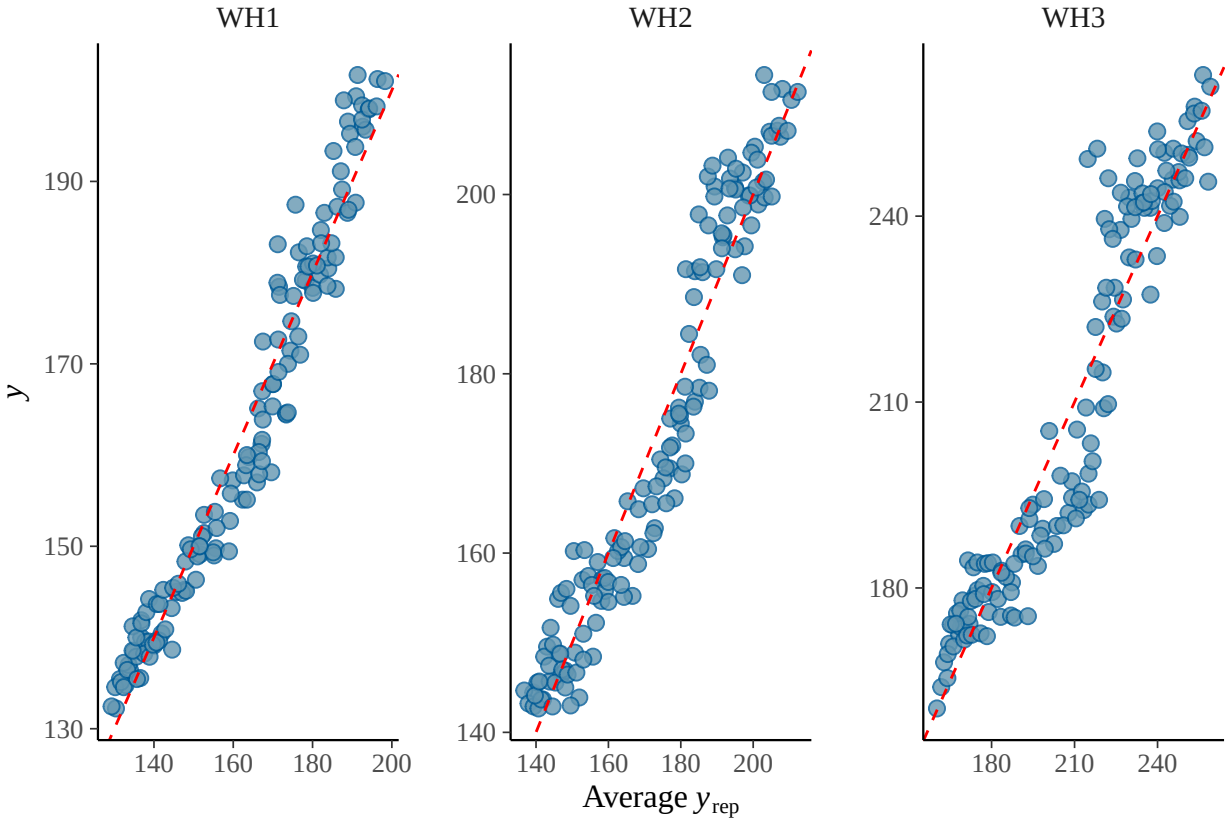
	Point est.	Upper C.I.
b_Intercept	1.02	1.02
b_year	1.02	1.02
sd_set__Intercept	1.01	1.01
sd_set__year	1.04	1.05
sd_set:arm__Intercept	1.01	1.03
sd_set:arm__year	1.02	1.04
cor_set__Intercept__year	1.00	1.01
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.01
r_set[HP1,Intercept]	1.02	1.02
r_set[HP2,Intercept]	1.01	1.02
r_set[HP3,Intercept]	1.02	1.02
r_set[HP1,year]	1.02	1.02
r_set[HP2,year]	1.02	1.02
r_set[HP3,year]	1.02	1.02
r_set:arm[HP1_A,Intercept]	1.00	1.00
r_set:arm[HP1_B,Intercept]	1.00	1.00
r_set:arm[HP1_C,Intercept]	1.00	1.00
r_set:arm[HP1_D,Intercept]	1.00	1.00
r_set:arm[HP2_A,Intercept]	1.00	1.01

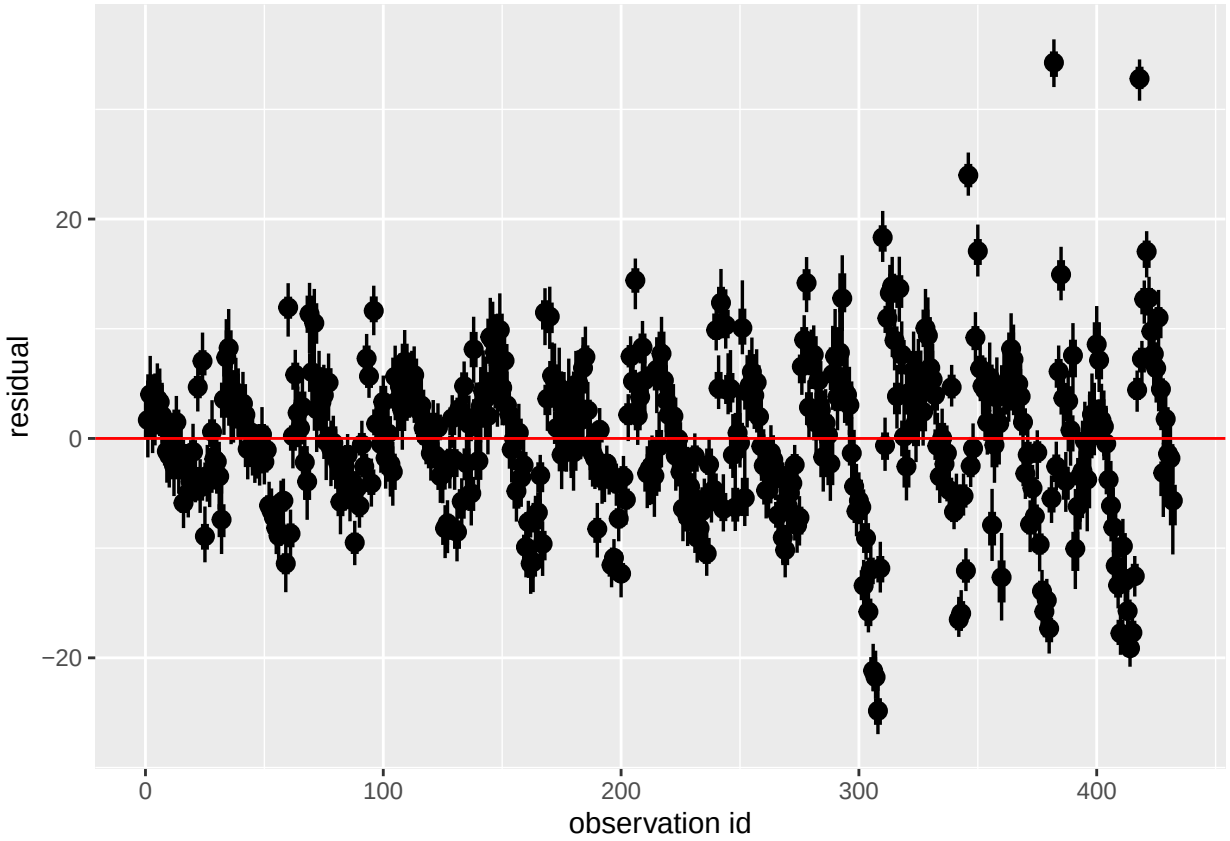
	Point est.	Upper C.I.
r_set:arm[HP2_B,Intercept]	1.00	1.00
r_set:arm[HP2_C,Intercept]	1.00	1.00
r_set:arm[HP2_D,Intercept]	1.00	1.01
r_set:arm[HP3_A,Intercept]	1.00	1.01
r_set:arm[HP3_B,Intercept]	1.00	1.01
r_set:arm[HP3_C,Intercept]	1.00	1.01
r_set:arm[HP3_D,Intercept]	1.00	1.01
r_set:arm[HP1_A,year]	1.00	1.01
r_set:arm[HP1_B,year]	1.00	1.00
r_set:arm[HP1_C,year]	1.00	1.00
r_set:arm[HP1_D,year]	1.00	1.00
r_set:arm[HP2_A,year]	1.00	1.00
r_set:arm[HP2_B,year]	1.00	1.00
r_set:arm[HP2_C,year]	1.00	1.00
r_set:arm[HP2_D,year]	1.00	1.00
r_set:arm[HP3_A,year]	1.00	1.00
r_set:arm[HP3_B,year]	1.00	1.00
r_set:arm[HP3_C,year]	1.00	1.01
r_set:arm[HP3_D,year]	1.00	1.00
lp___	1.00	1.00

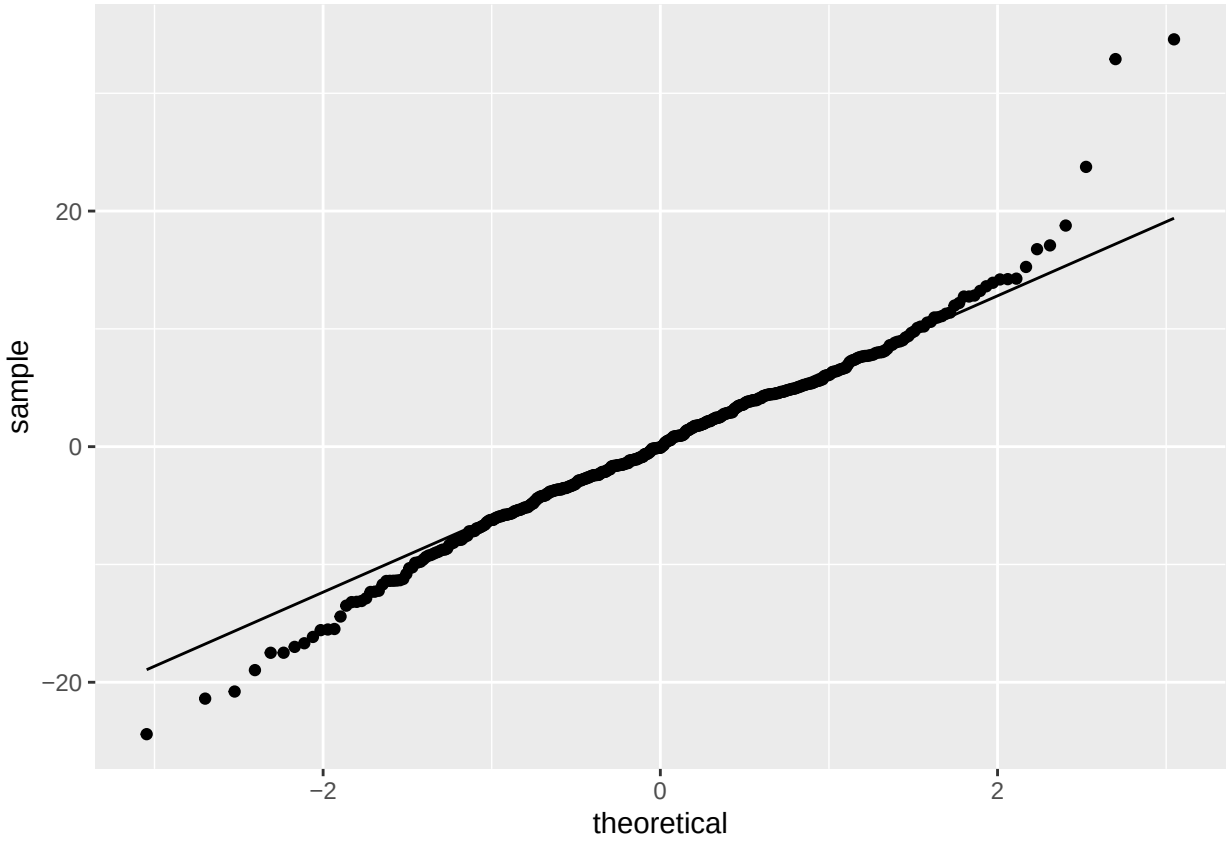
Number of divergences: 0

FIIS: WatchHill






residual
20
0
−20
0
100
200
300
400
observation id

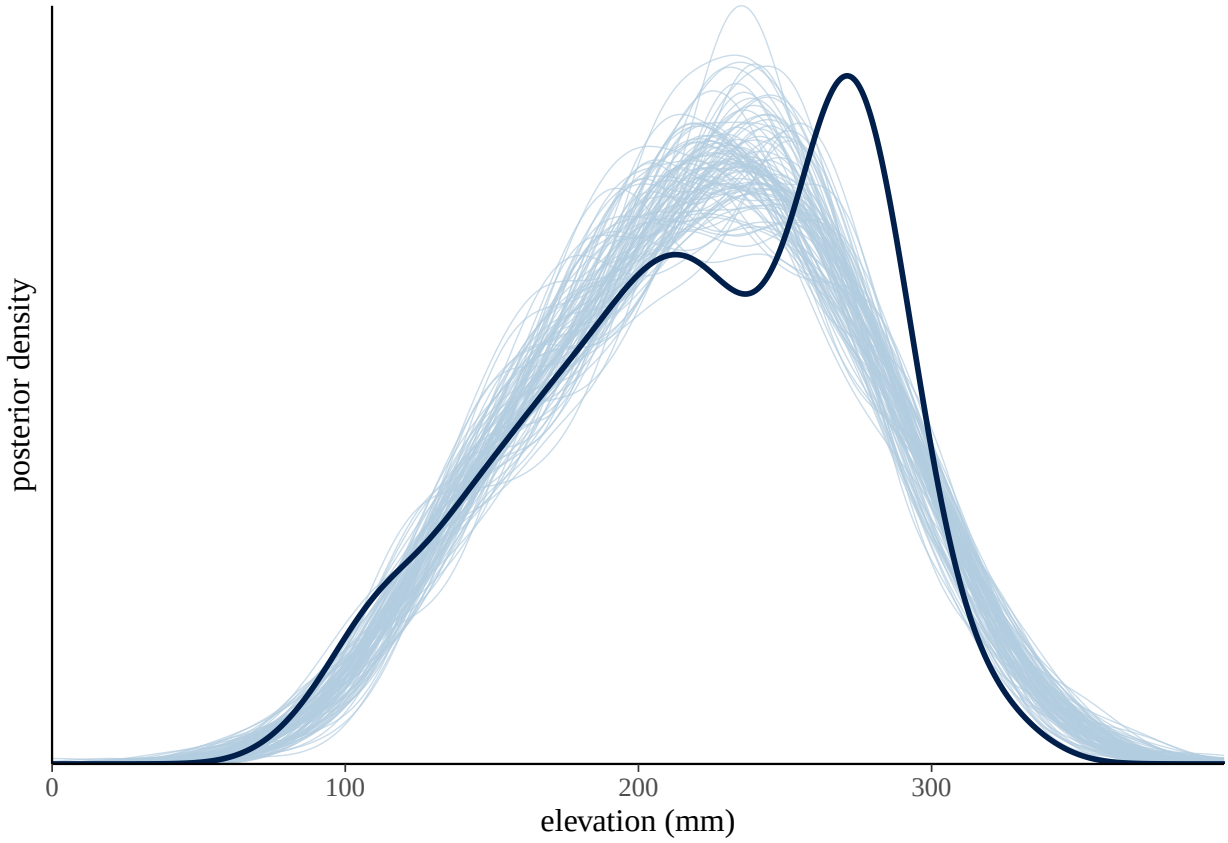


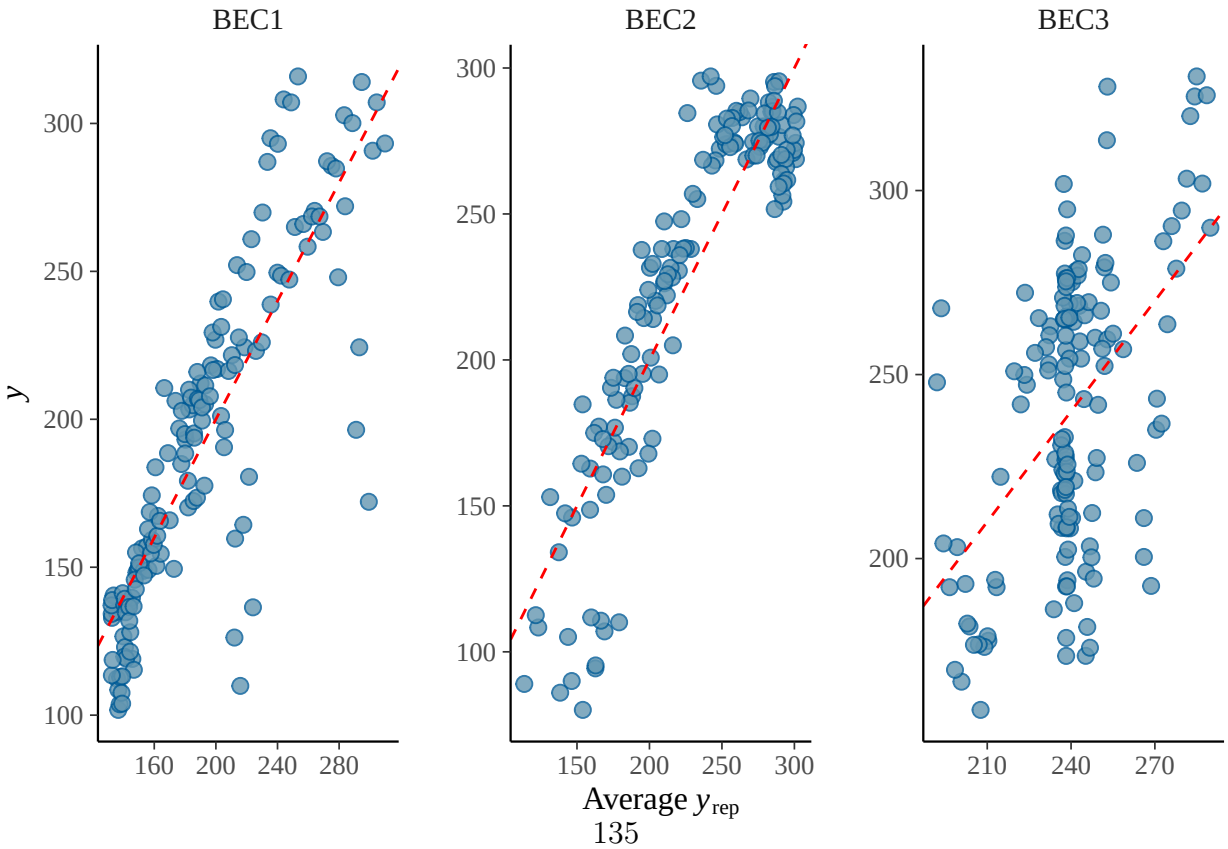
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.01	1.01
sd_set__year	1.02	1.02
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.02
cor_set__Intercept__year	1.00	1.01
cor_set:arm__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[WH1,Intercept]	1.00	1.02
r_set[WH2,Intercept]	1.00	1.01
r_set[WH3,Intercept]	1.00	1.01
r_set[WH1,year]	1.00	1.00
r_set[WH2,year]	1.00	1.00
r_set[WH3,year]	1.00	1.00
r_set:arm[WH1_A,Intercept]	1.00	1.01
r_set:arm[WH1_B,Intercept]	1.00	1.01
r_set:arm[WH1_C,Intercept]	1.00	1.01
r_set:arm[WH1_D,Intercept]	1.00	1.00
r_set:arm[WH2_A,Intercept]	1.00	1.00

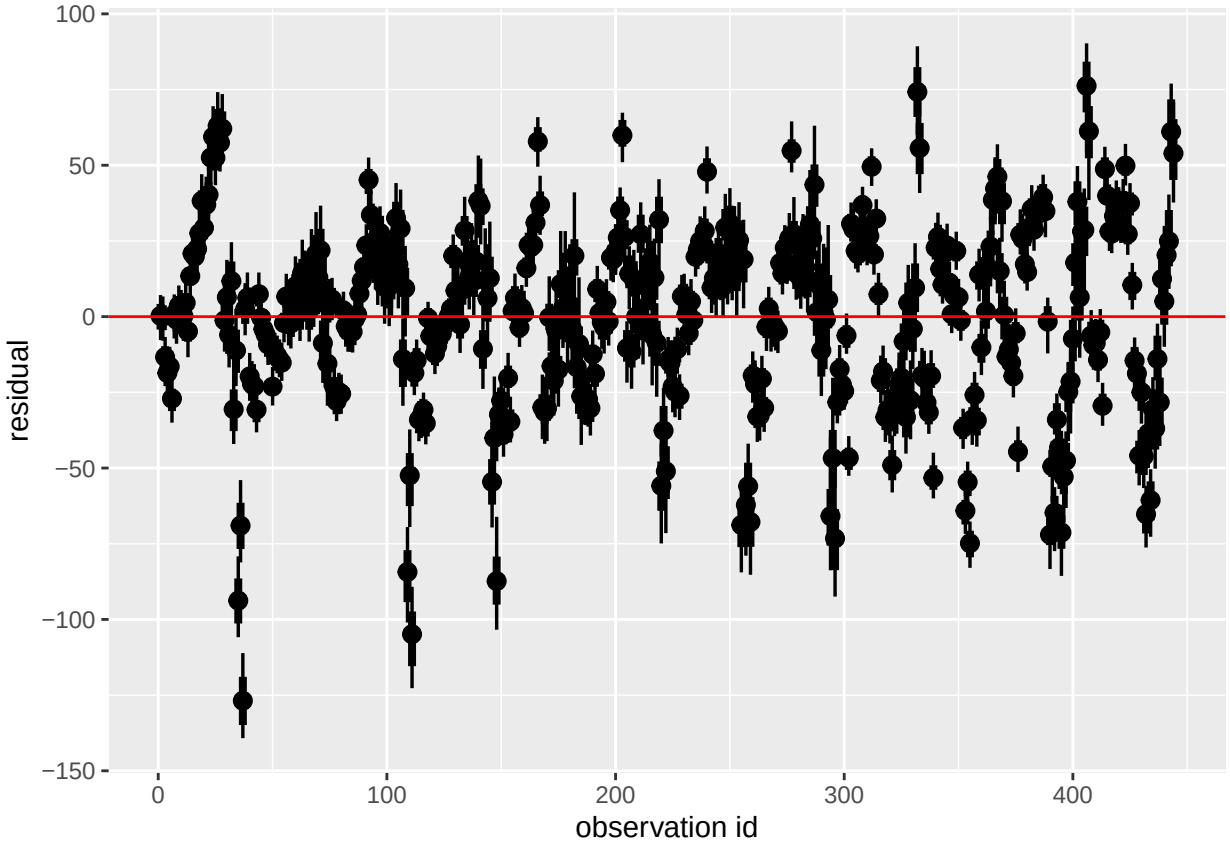
	Point est.	Upper C.I.
r_set:arm[WH2_B,Intercept]	1.00	1.00
r_set:arm[WH2_C,Intercept]	1.00	1.00
r_set:arm[WH2_D,Intercept]	1.00	1.00
r_set:arm[WH3_A,Intercept]	1.00	1.00
r_set:arm[WH3_B,Intercept]	1.00	1.00
r_set:arm[WH3_C,Intercept]	1.00	1.00
r_set:arm[WH3_D,Intercept]	1.00	1.00
r_set:arm[WH1_A,year]	1.00	1.00
r_set:arm[WH1_B,year]	1.00	1.00
r_set:arm[WH1_C,year]	1.00	1.00
r_set:arm[WH1_D,year]	1.00	1.01
r_set:arm[WH2_A,year]	1.00	1.00
r_set:arm[WH2_B,year]	1.00	1.00
r_set:arm[WH2_C,year]	1.00	1.00
r_set:arm[WH2_D,year]	1.00	1.01
r_set:arm[WH3_A,year]	1.00	1.00
r_set:arm[WH3_B,year]	1.00	1.00
r_set:arm[WH3_C,year]	1.00	1.01
r_set:arm[WH3_D,year]	1.00	1.01
lp___	1.01	1.03

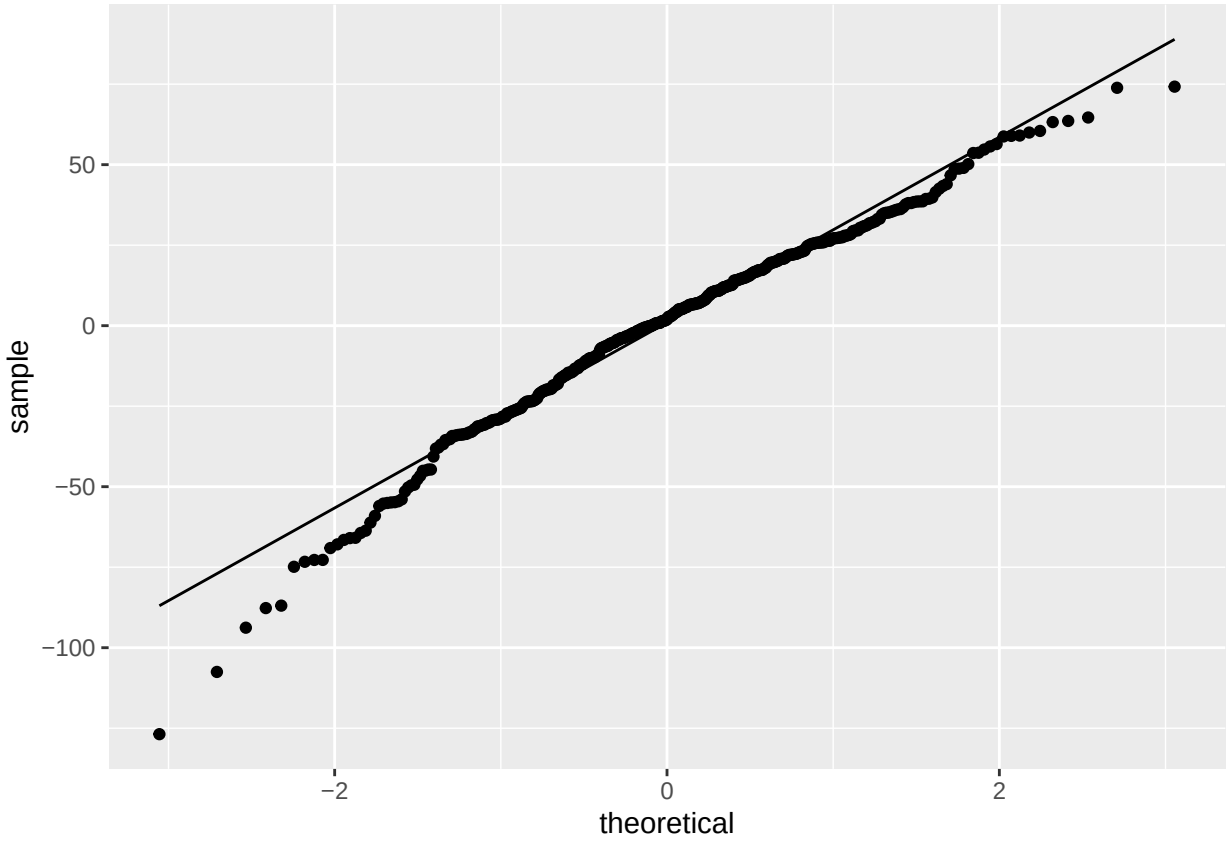
Number of divergences: 1

GATE: BigEggControl






100
50
0
−50
−100
−150
residual
0
100
200
300
400
observation id

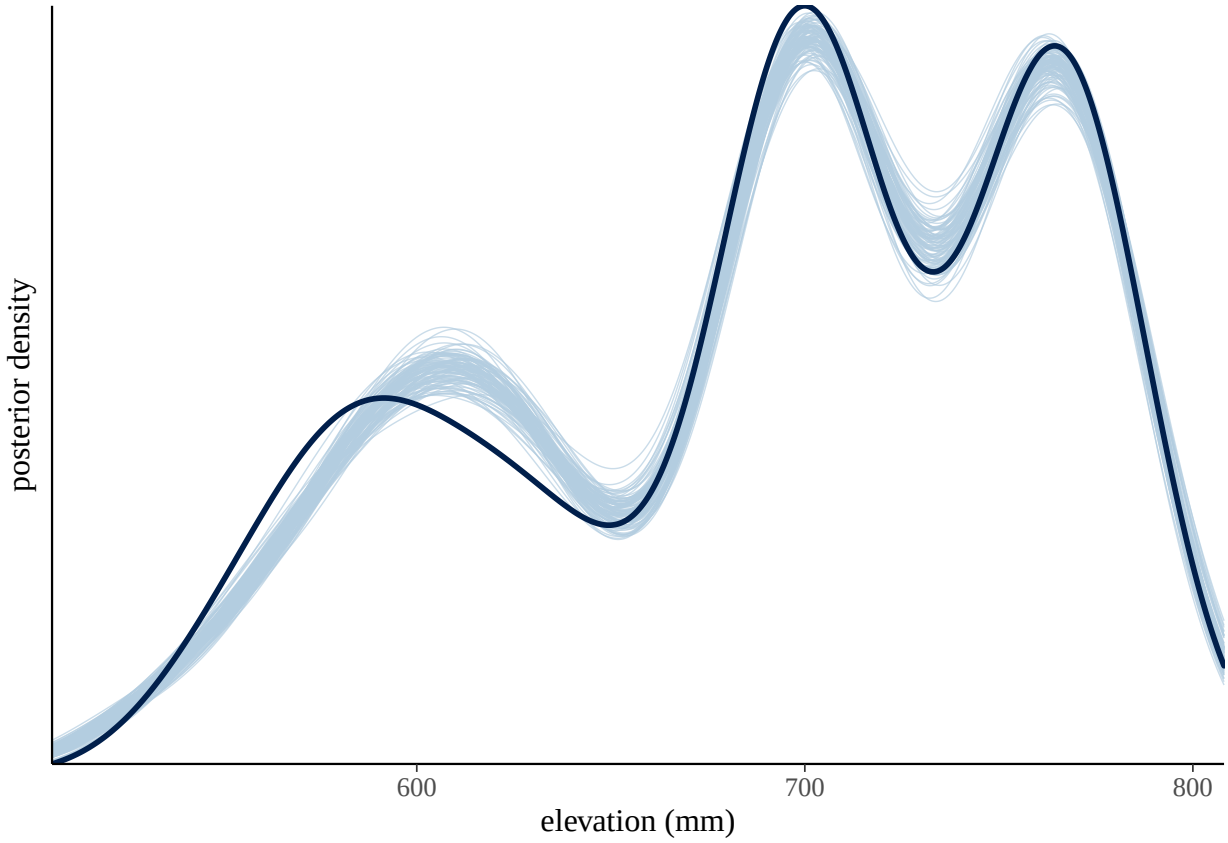


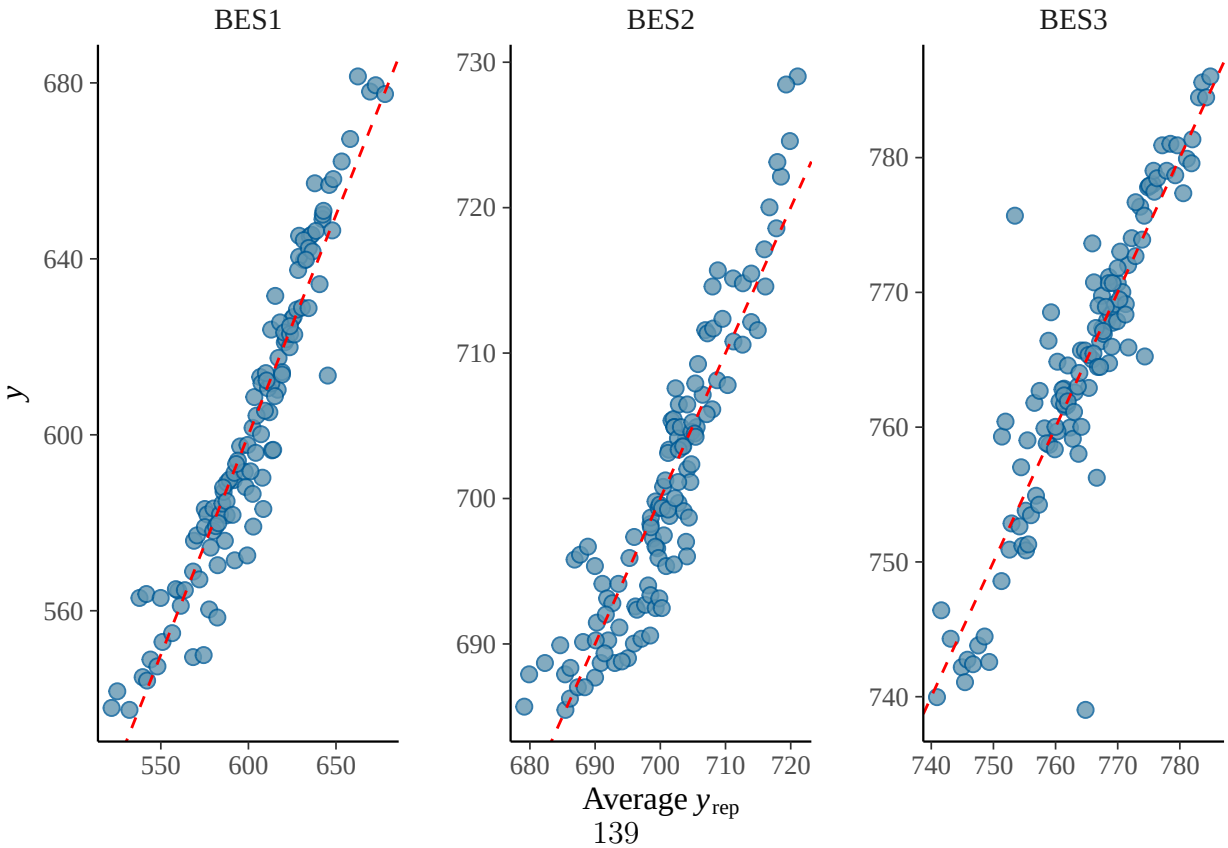
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.00	1.01
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.02	1.03
sd_set:arm__year	1.03	1.05
cor_set__Intercept__year	1.00	1.01
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[BEC1,Intercept]	1.00	1.01
r_set[BEC2,Intercept]	1.00	1.01
r_set[BEC3,Intercept]	1.00	1.01
r_set[BEC1,year]	1.00	1.01
r_set[BEC2,year]	1.01	1.01
r_set[BEC3,year]	1.00	1.01
r_set:arm[BEC1_A,Intercept]	1.02	1.02
r_set:arm[BEC1_B,Intercept]	1.02	1.02
r_set:arm[BEC1_C,Intercept]	1.01	1.01
r_set:arm[BEC1_D,Intercept]	1.00	1.01
r_set:arm[BEC2_A,Intercept]	1.02	1.02

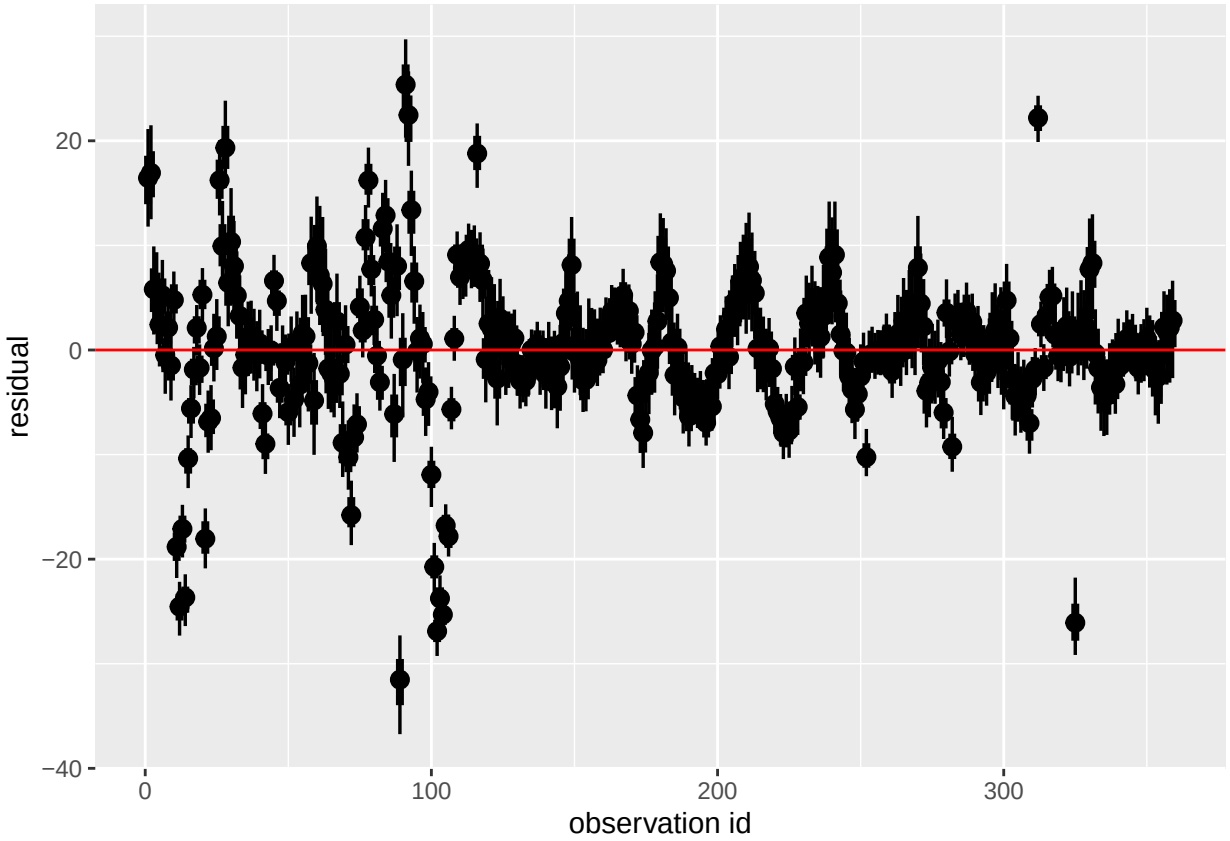
	Point est.	Upper C.I.
r_set:arm[BEC2_B,Intercept]	1.01	1.01
r_set:arm[BEC2_C,Intercept]	1.00	1.00
r_set:arm[BEC2_D,Intercept]	1.01	1.01
r_set:arm[BEC3_A,Intercept]	1.01	1.01
r_set:arm[BEC3_B,Intercept]	1.02	1.02
r_set:arm[BEC3_C,Intercept]	1.01	1.01
r_set:arm[BEC3_D,Intercept]	1.00	1.00
r_set:arm[BEC1_A,year]	1.01	1.01
r_set:arm[BEC1_B,year]	1.01	1.01
r_set:arm[BEC1_C,year]	1.00	1.01
r_set:arm[BEC1_D,year]	1.01	1.01
r_set:arm[BEC2_A,year]	1.01	1.02
r_set:arm[BEC2_B,year]	1.01	1.02
r_set:arm[BEC2_C,year]	1.01	1.02
r_set:arm[BEC2_D,year]	1.01	1.02
r_set:arm[BEC3_A,year]	1.00	1.00
r_set:arm[BEC3_B,year]	1.00	1.00
r_set:arm[BEC3_C,year]	1.00	1.00
r_set:arm[BEC3_D,year]	1.00	1.00
lp___	1.00	1.00

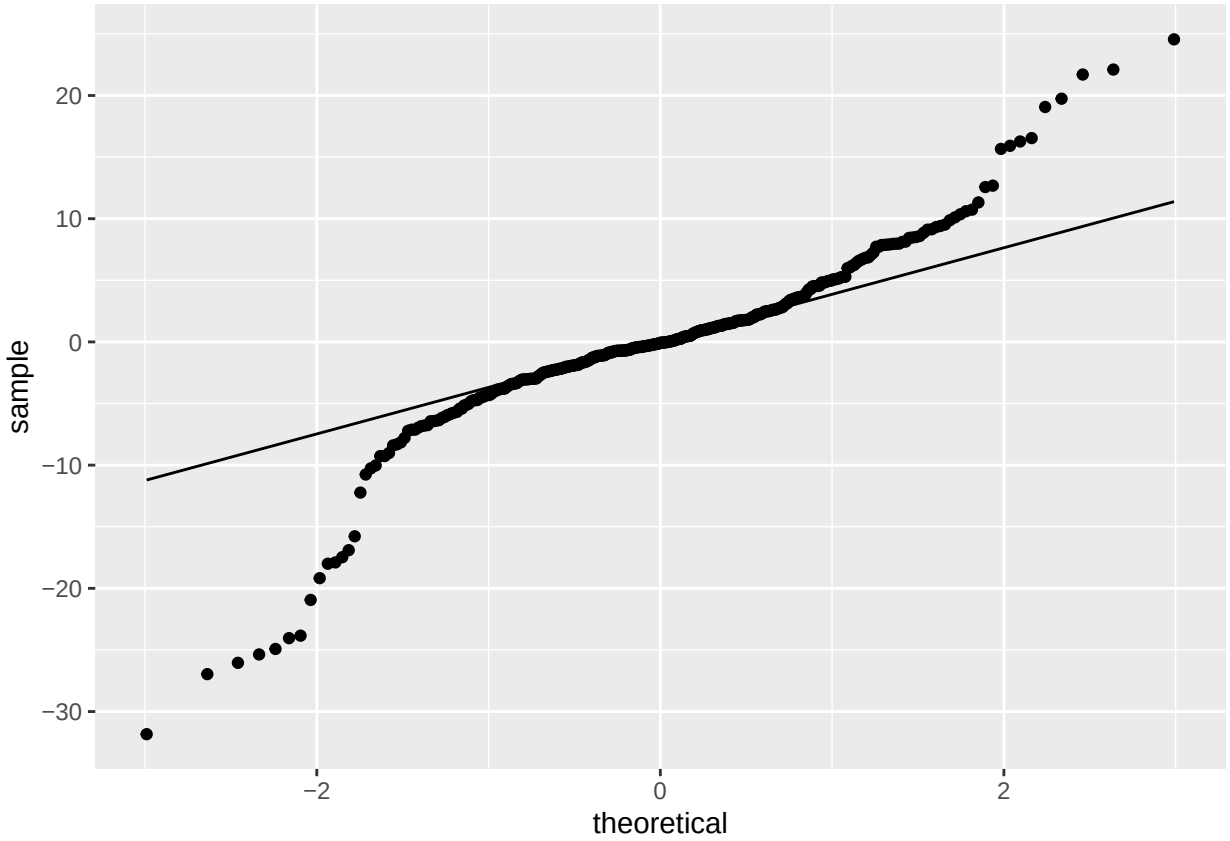
Number of divergences: 0

GATE: BigEggSpray






residual
20
0
−20
−40
0
100
200
300
observation id

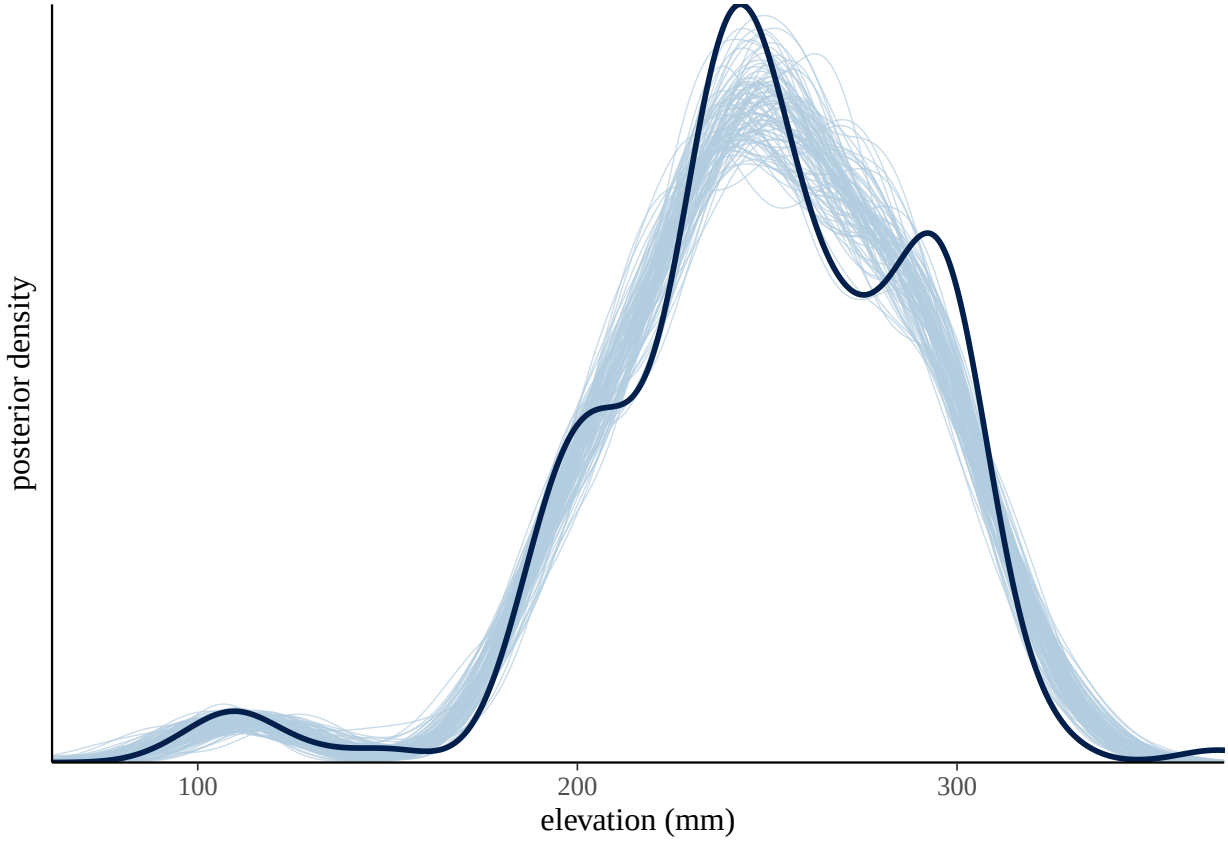


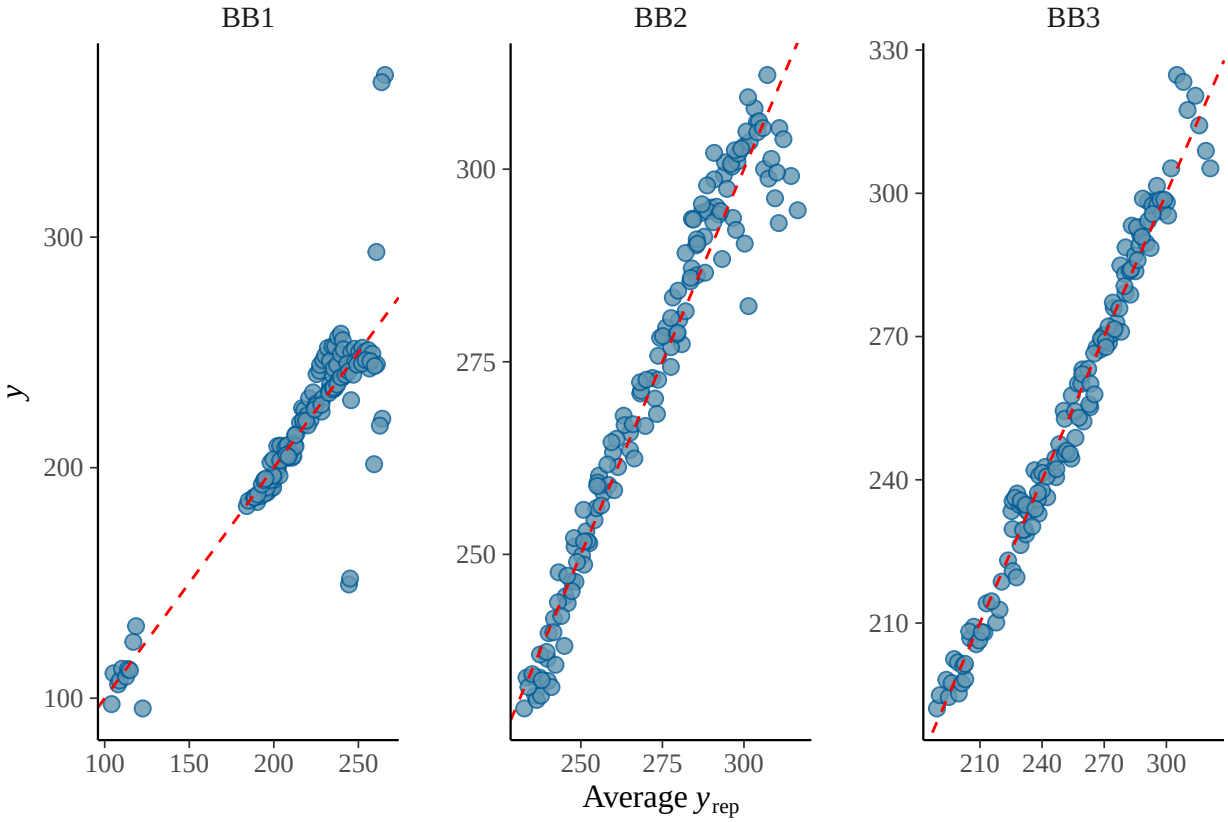
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.01	1.01
sd_set__year	1.00	1.00
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.01
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[BES1,Intercept]	1.00	1.00
r_set[BES2,Intercept]	1.00	1.00
r_set[BES3,Intercept]	1.00	1.00
r_set[BES1,year]	1.00	1.01
r_set[BES2,year]	1.00	1.00
r_set[BES3,year]	1.00	1.00
r_set:arm[BES1_A,Intercept]	1.00	1.00
r_set:arm[BES1_B,Intercept]	1.00	1.00
r_set:arm[BES1_C,Intercept]	1.00	1.00
r_set:arm[BES1_D,Intercept]	1.00	1.00
r_set:arm[BES2_A,Intercept]	1.00	1.00

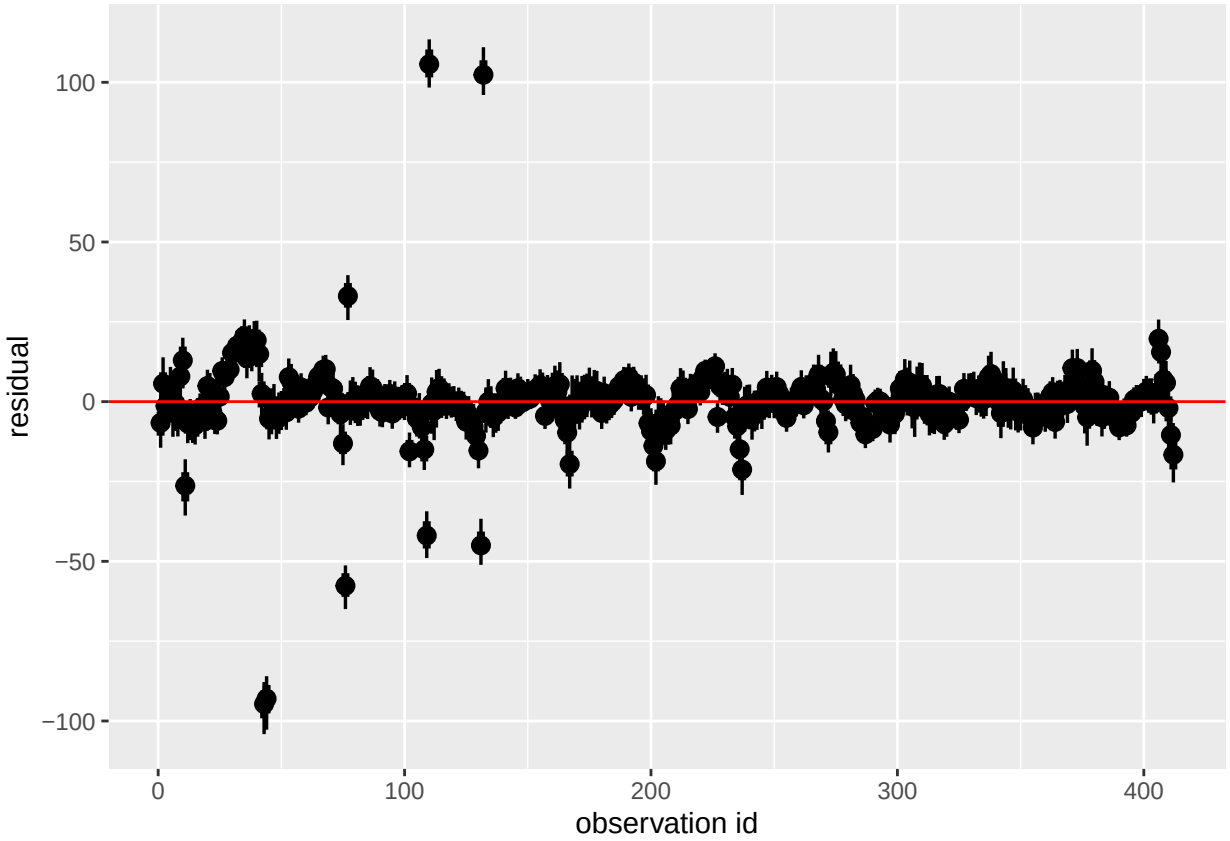
	Point est.	Upper C.I.
r_set:arm[BES2_B,Intercept]	1.00	1.00
r_set:arm[BES2_C,Intercept]	1.00	1.00
r_set:arm[BES2_D,Intercept]	1.00	1.00
r_set:arm[BES3_A,Intercept]	1.00	1.00
r_set:arm[BES3_B,Intercept]	1.00	1.00
r_set:arm[BES3_C,Intercept]	1.00	1.00
r_set:arm[BES3_D,Intercept]	1.00	1.00
r_set:arm[BES1_A,year]	1.00	1.00
r_set:arm[BES1_B,year]	1.00	1.00
r_set:arm[BES1_C,year]	1.00	1.00
r_set:arm[BES1_D,year]	1.00	1.00
r_set:arm[BES2_A,year]	1.00	1.00
r_set:arm[BES2_B,year]	1.00	1.00
r_set:arm[BES2_C,year]	1.00	1.00
r_set:arm[BES2_D,year]	1.00	1.00
r_set:arm[BES3_A,year]	1.00	1.00
r_set:arm[BES3_B,year]	1.00	1.00
r_set:arm[BES3_C,year]	1.00	1.00
r_set:arm[BES3_D,year]	1.00	1.00
lp___	1.00	1.02

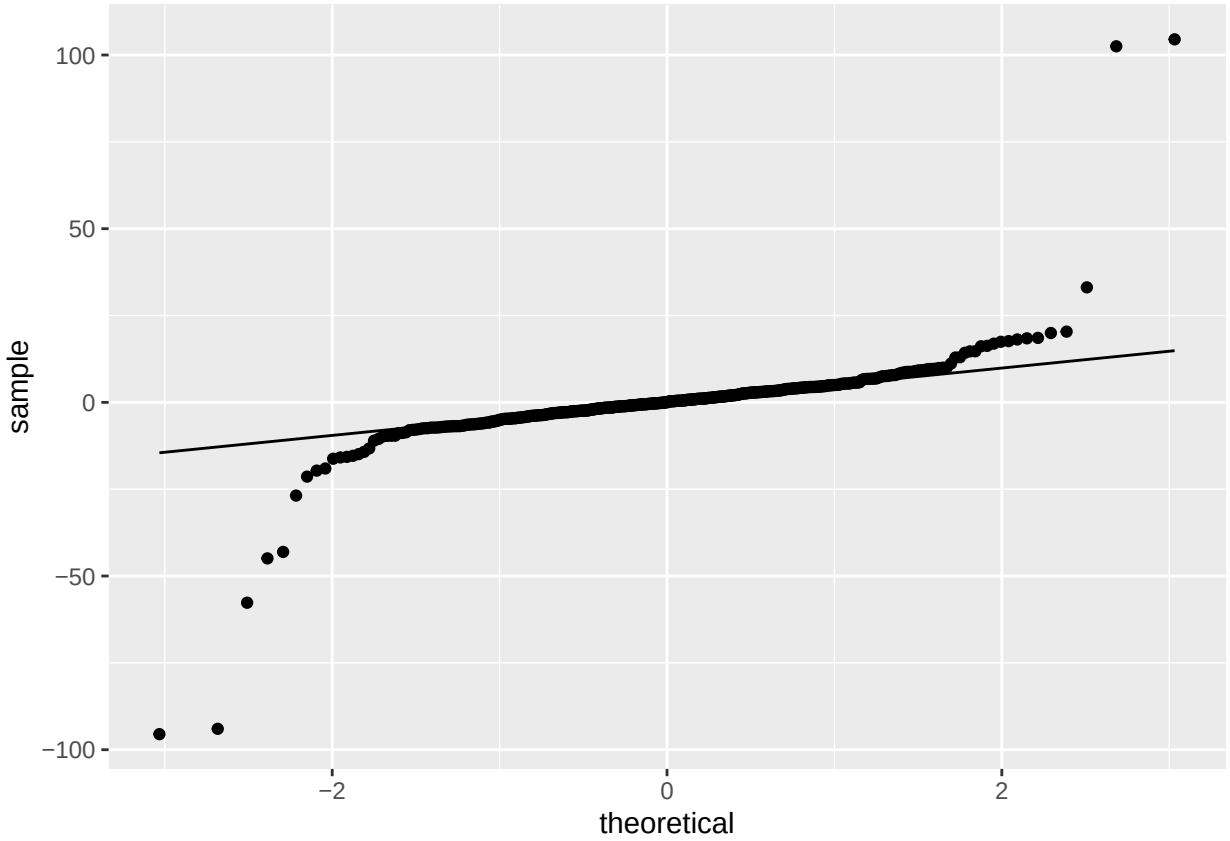
Number of divergences: 0

GATE: BlackBank






100
50
0
−50
−100
residual
0
100
200
300
400
observation id

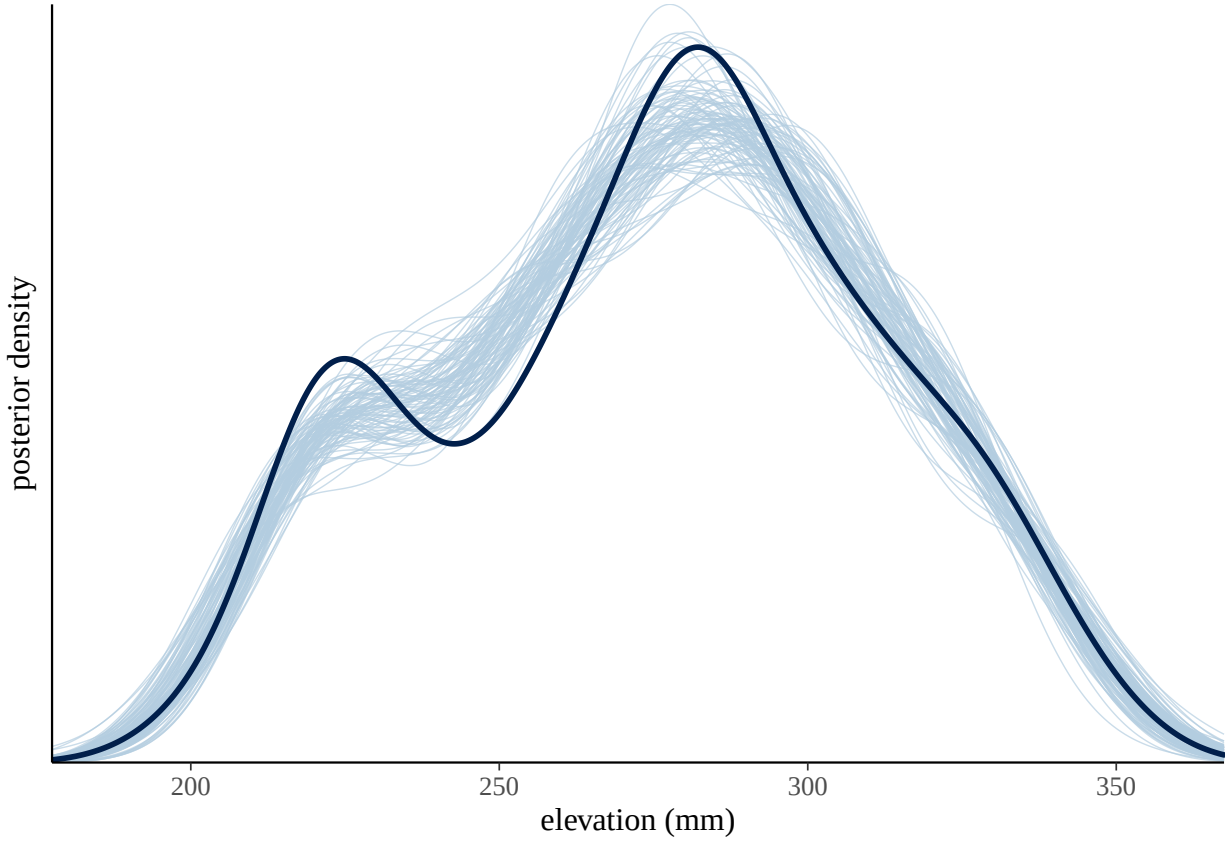


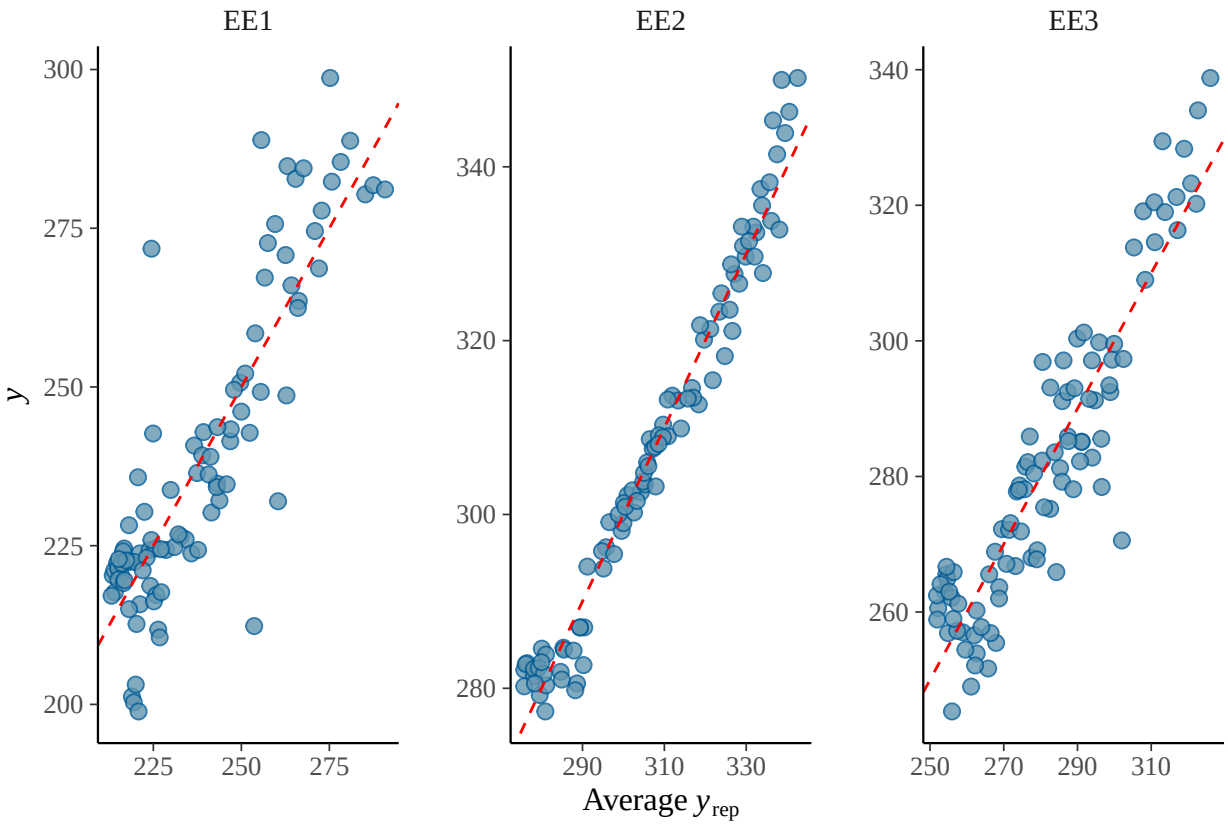
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.01	1.02
sd_set__Intercept	1.01	1.03
sd_set__year	1.01	1.02
sd_set:arm__Intercept	1.01	1.03
sd_set:arm__year	1.00	1.02
cor_set__Intercept__year	1.00	1.01
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[BB1,Intercept]	1.03	1.07
r_set[BB2,Intercept]	1.01	1.02
r_set[BB3,Intercept]	1.00	1.00
r_set[BB1,year]	1.01	1.01
r_set[BB2,year]	1.02	1.03
r_set[BB3,year]	1.01	1.03
r_set:arm[BB1_A,Intercept]	1.01	1.03
r_set:arm[BB1_B,Intercept]	1.01	1.03
r_set:arm[BB1_C,Intercept]	1.01	1.03
r_set:arm[BB1_D,Intercept]	1.01	1.03
r_set:arm[BB1_E,Intercept]	1.00	1.02

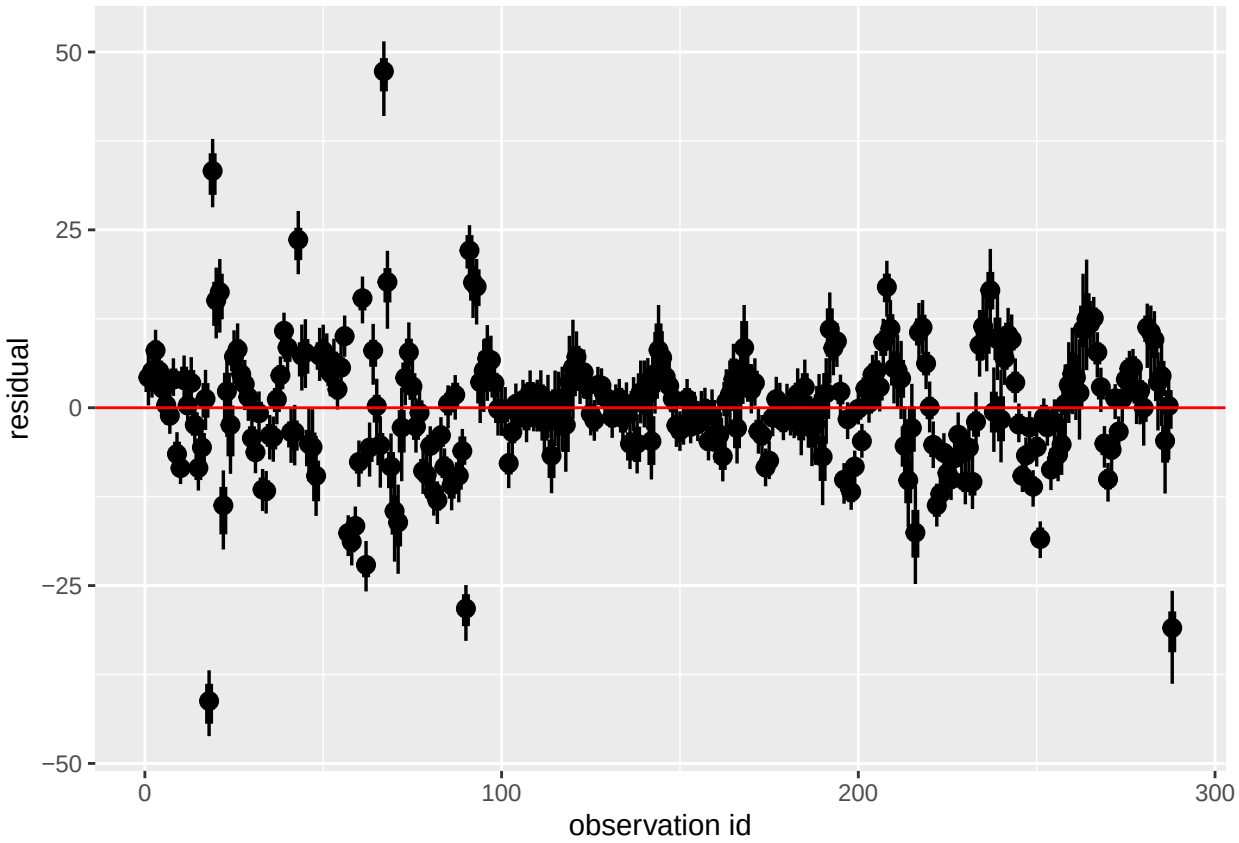
	Point est.	Upper C.I.
r_set:arm[BB2_A,Intercept]	1.01	1.02
r_set:arm[BB2_B,Intercept]	1.01	1.03
r_set:arm[BB2_C,Intercept]	1.01	1.03
r_set:arm[BB2_D,Intercept]	1.01	1.02
r_set:arm[BB3_A,Intercept]	1.00	1.01
r_set:arm[BB3_B,Intercept]	1.00	1.01
r_set:arm[BB3_C,Intercept]	1.00	1.01
r_set:arm[BB3_D,Intercept]	1.00	1.01
r_set:arm[BB1_A,year]	1.01	1.01
r_set:arm[BB1_B,year]	1.01	1.02
r_set:arm[BB1_C,year]	1.01	1.02
r_set:arm[BB1_D,year]	1.01	1.02
r_set:arm[BB1_E,year]	1.00	1.01
r_set:arm[BB2_A,year]	1.00	1.00
r_set:arm[BB2_B,year]	1.00	1.00
r_set:arm[BB2_C,year]	1.00	1.00
r_set:arm[BB2_D,year]	1.00	1.00
r_set:arm[BB3_A,year]	1.00	1.00
r_set:arm[BB3_B,year]	1.00	1.01
r_set:arm[BB3_C,year]	1.00	1.00
r_set:arm[BB3_D,year]	1.00	1.01
lp___	1.00	1.01

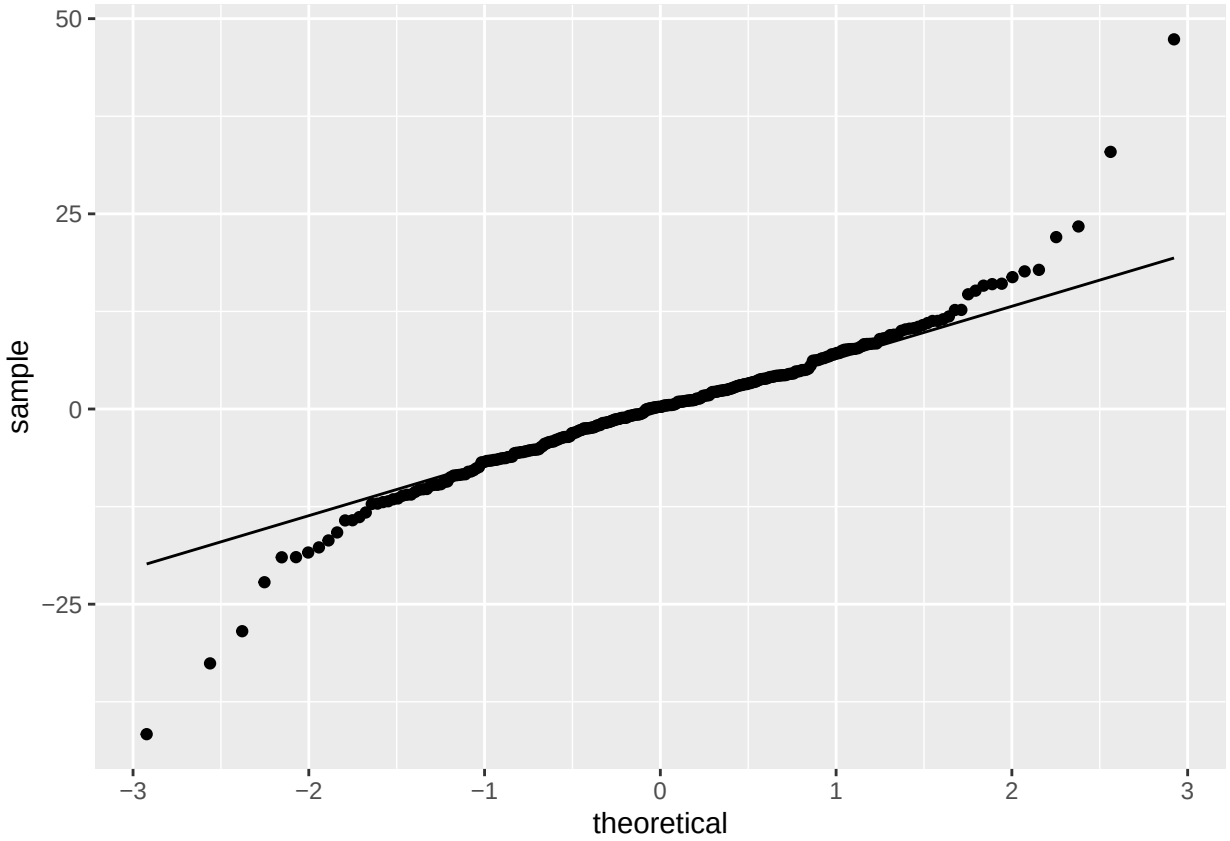
Number of divergences: 16

GATE: EldersEastEE






50
25
0
−25
−50
residual
0
100
200
300
observation id

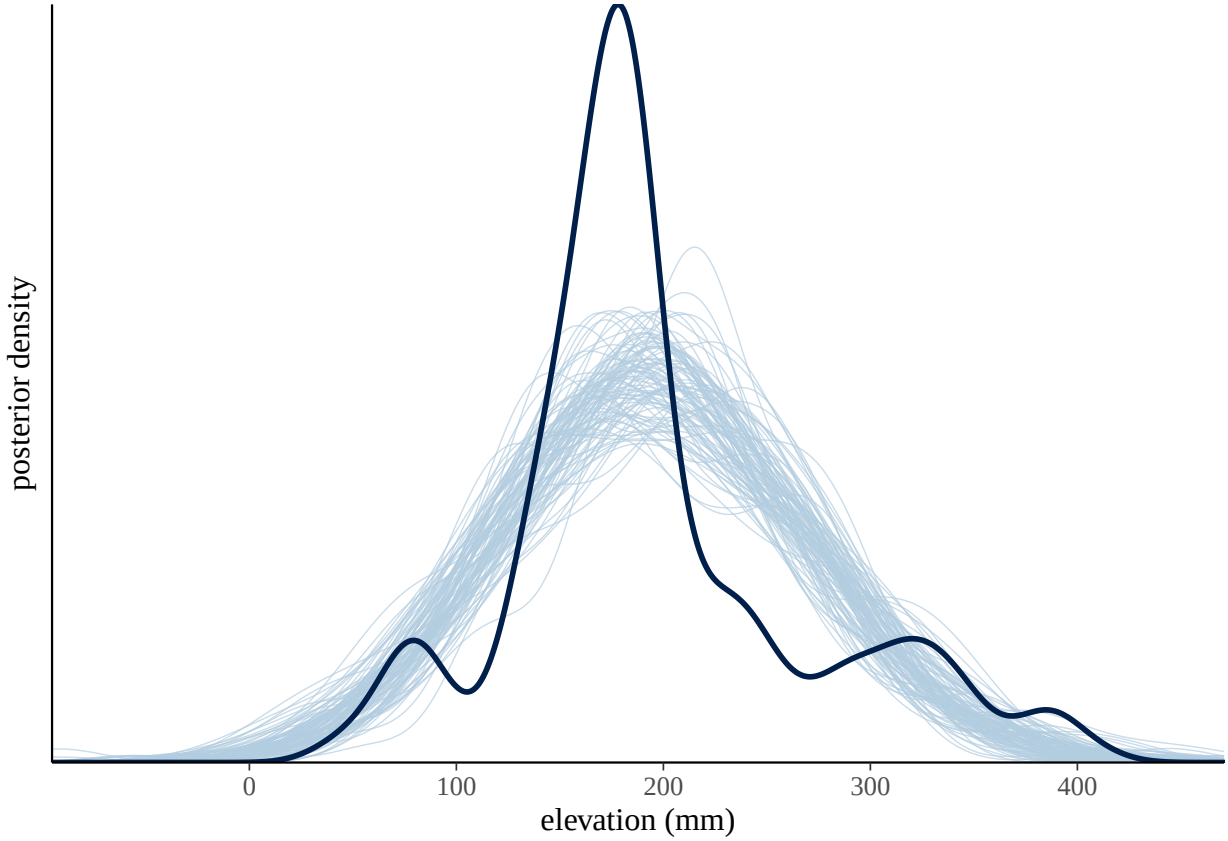


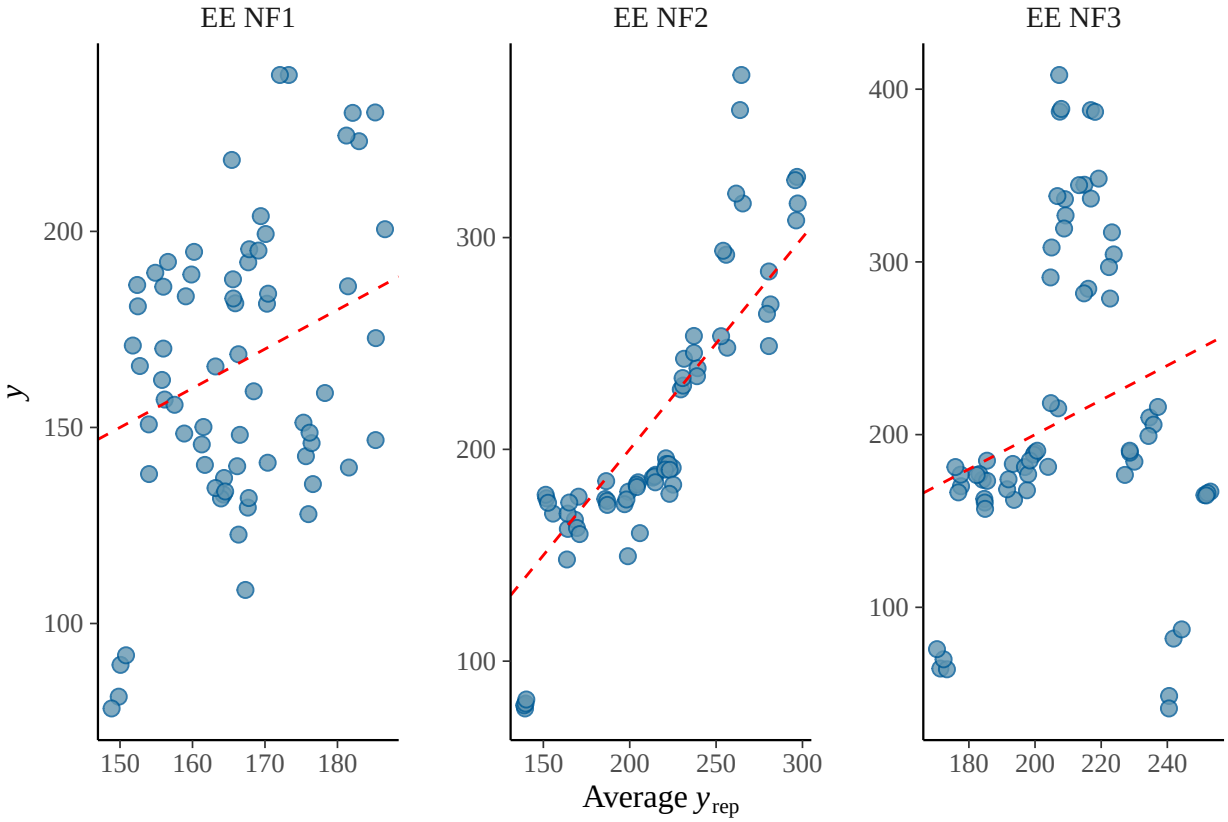
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.00	1.00
sd_set__year	1.01	1.01
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.01	1.02
sigma	1.00	1.00
r_set[EE1,Intercept]	1.00	1.01
r_set[EE2,Intercept]	1.00	1.01
r_set[EE3,Intercept]	1.00	1.01
r_set[EE1,year]	1.00	1.01
r_set[EE2,year]	1.00	1.00
r_set[EE3,year]	1.00	1.00
r_set:arm[EE1_A,Intercept]	1.01	1.01
r_set:arm[EE1_B,Intercept]	1.00	1.00
r_set:arm[EE1_C,Intercept]	1.00	1.01
r_set:arm[EE1_D,Intercept]	1.00	1.01
r_set:arm[EE2_A,Intercept]	1.00	1.01

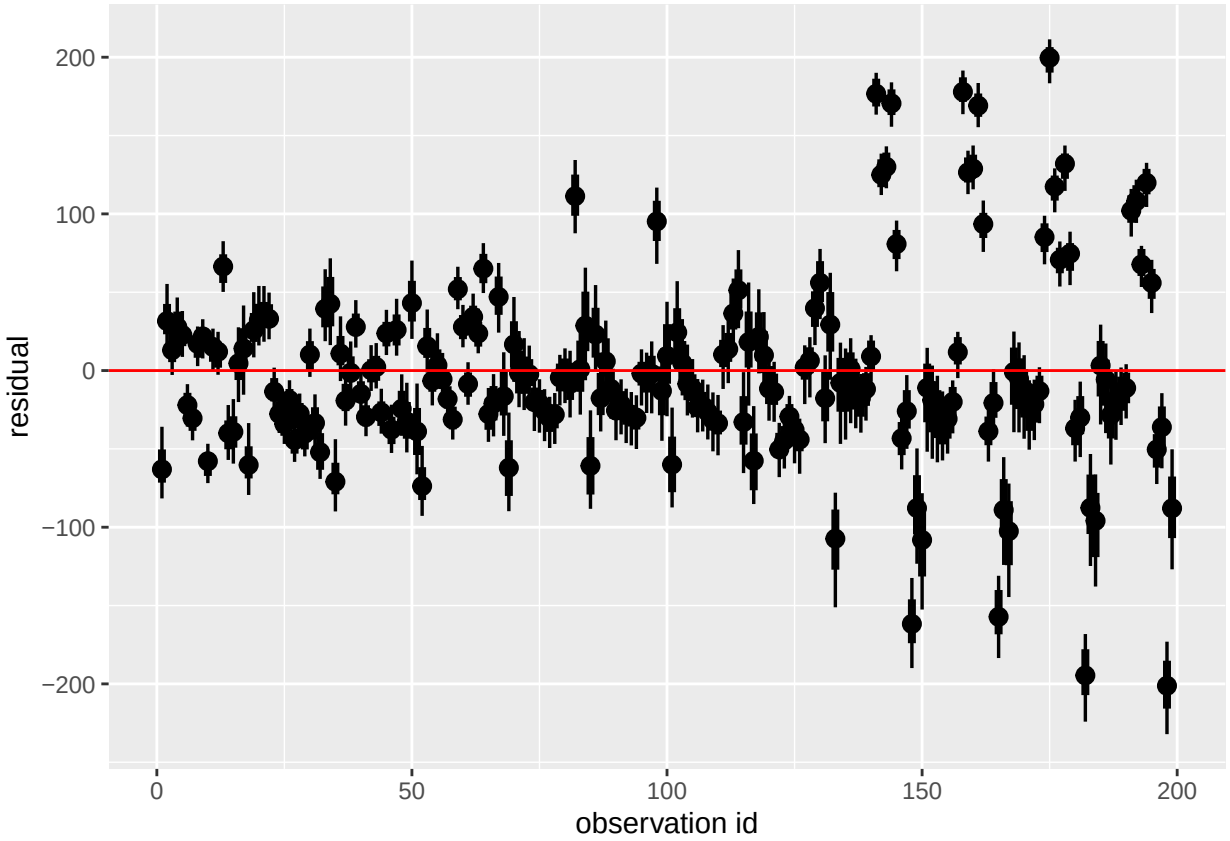
	Point est.	Upper C.I.
r_set:arm[EE2_B,Intercept]	1.00	1.00
r_set:arm[EE2_C,Intercept]	1.00	1.00
r_set:arm[EE2_D,Intercept]	1.01	1.01
r_set:arm[EE3_A,Intercept]	1.00	1.01
r_set:arm[EE3_B,Intercept]	1.00	1.00
r_set:arm[EE3_C,Intercept]	1.00	1.00
r_set:arm[EE3_D,Intercept]	1.00	1.00
r_set:arm[EE1_A,year]	1.00	1.00
r_set:arm[EE1_B,year]	1.00	1.00
r_set:arm[EE1_C,year]	1.00	1.00
r_set:arm[EE1_D,year]	1.00	1.00
r_set:arm[EE2_A,year]	1.00	1.00
r_set:arm[EE2_B,year]	1.00	1.00
r_set:arm[EE2_C,year]	1.00	1.01
r_set:arm[EE2_D,year]	1.00	1.00
r_set:arm[EE3_A,year]	1.00	1.00
r_set:arm[EE3_B,year]	1.00	1.00
r_set:arm[EE3_C,year]	1.00	1.00
r_set:arm[EE3_D,year]	1.00	1.00
lp___	1.00	1.00

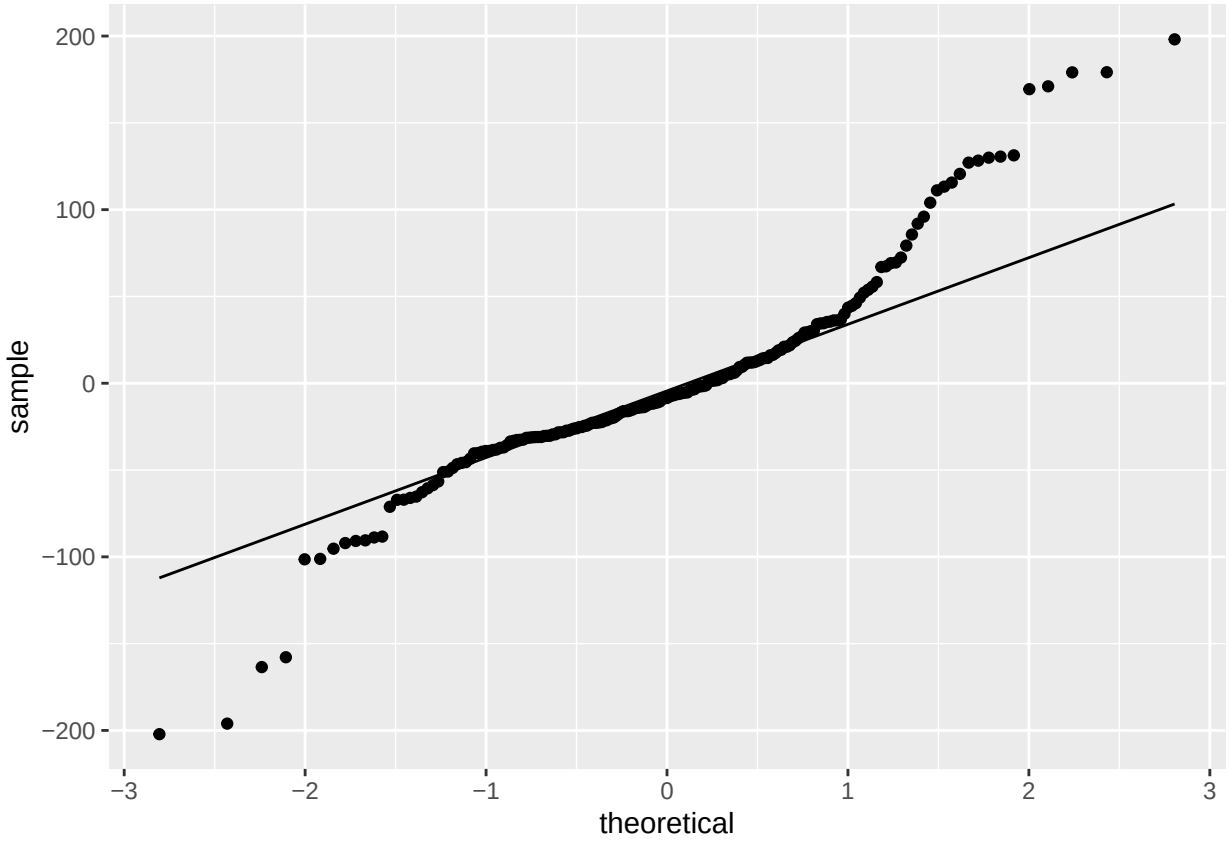
Number of divergences: 2

GATE: EldersEastNF






200
100
0
−100
−200
residual
0
50
100
150
200
observation id

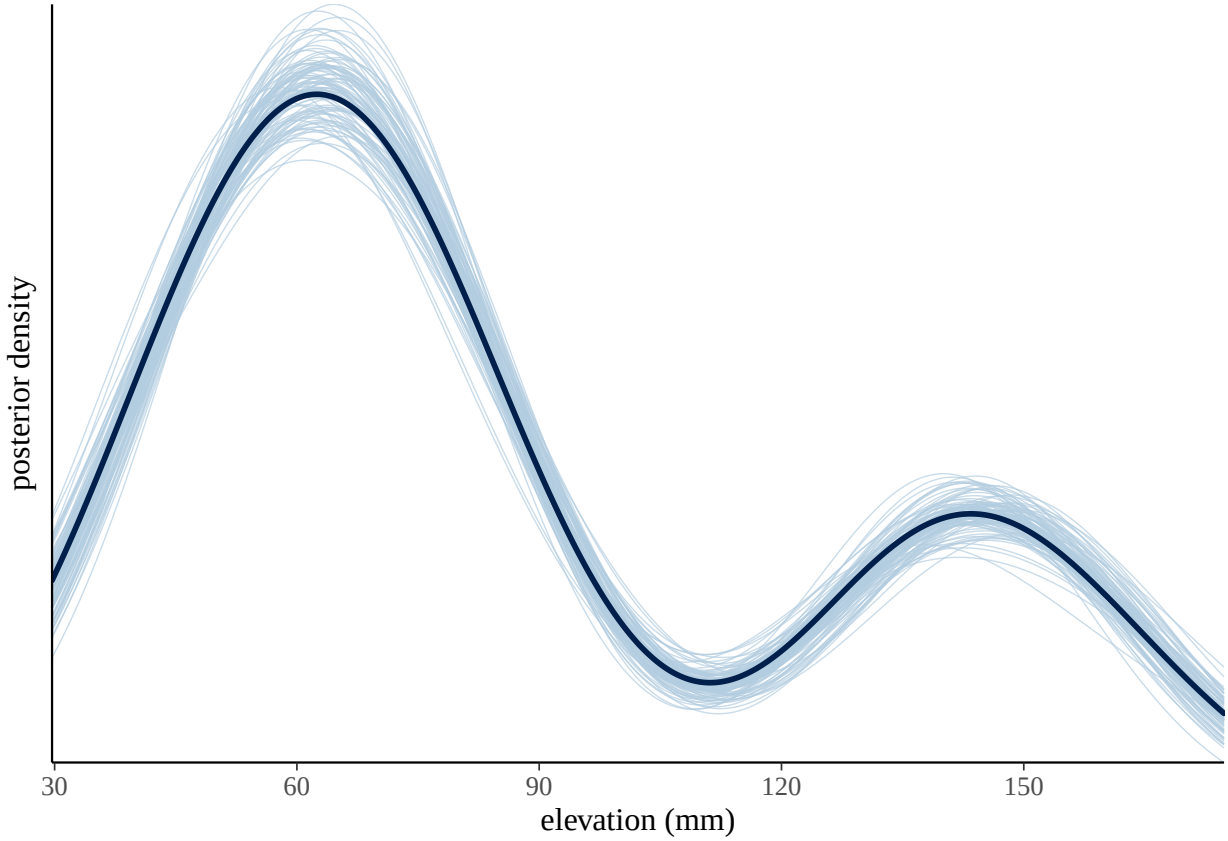


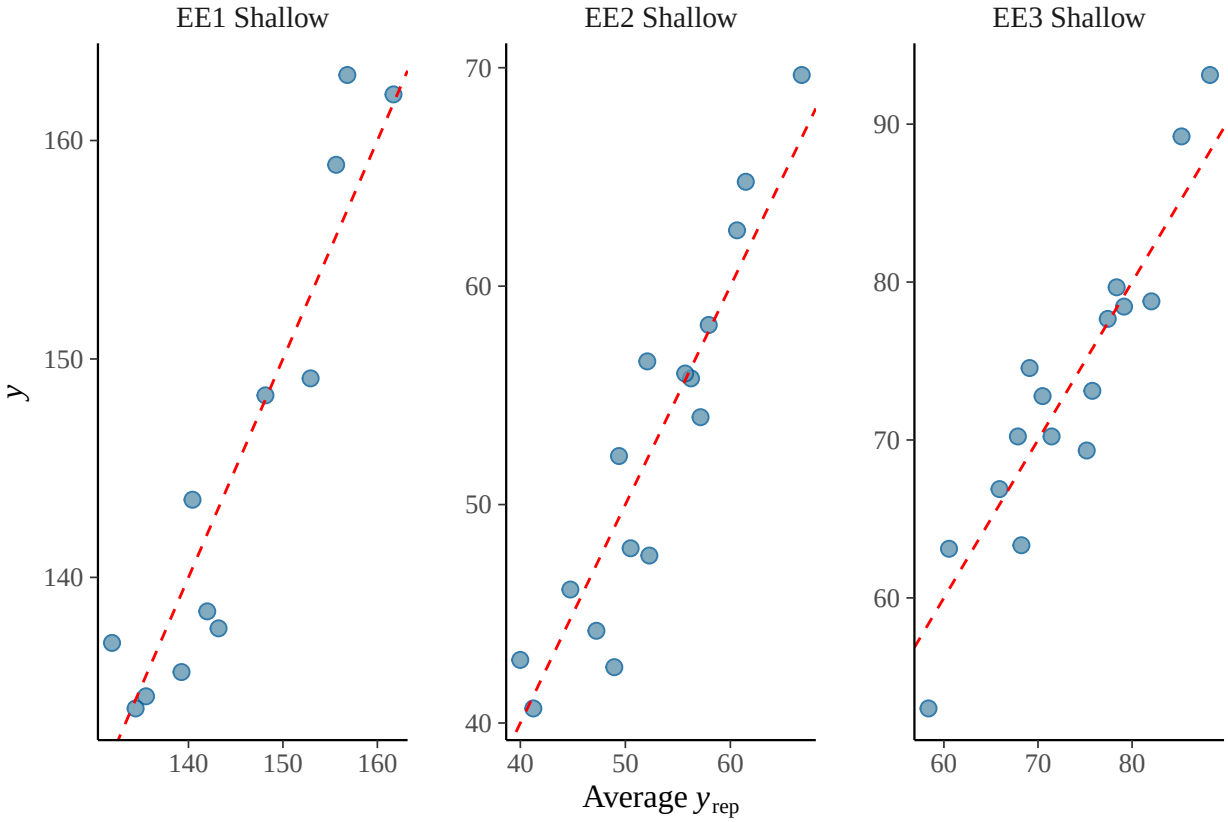
	Point est.	Upper C.I.
b_Intercept	1.02	1.02
b_year	1.00	1.00
sd_set__Intercept	1.02	1.05
sd_set__year	1.00	1.00
sd_set:arm__Intercept	1.01	1.01
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.02
r_set[EE.NF1,Intercept]	1.01	1.01
r_set[EE.NF2,Intercept]	1.01	1.02
r_set[EE.NF3,Intercept]	1.01	1.02
r_set[EE.NF1,year]	1.00	1.00
r_set[EE.NF2,year]	1.00	1.01
r_set[EE.NF3,year]	1.00	1.01
r_set:arm[EE.NF1_A,Intercept]	1.01	1.01
r_set:arm[EE.NF1_B,Intercept]	1.01	1.01
r_set:arm[EE.NF1_C,Intercept]	1.01	1.01
r_set:arm[EE.NF1_D,Intercept]	1.00	1.00
r_set:arm[EE.NF2_A,Intercept]	1.00	1.00

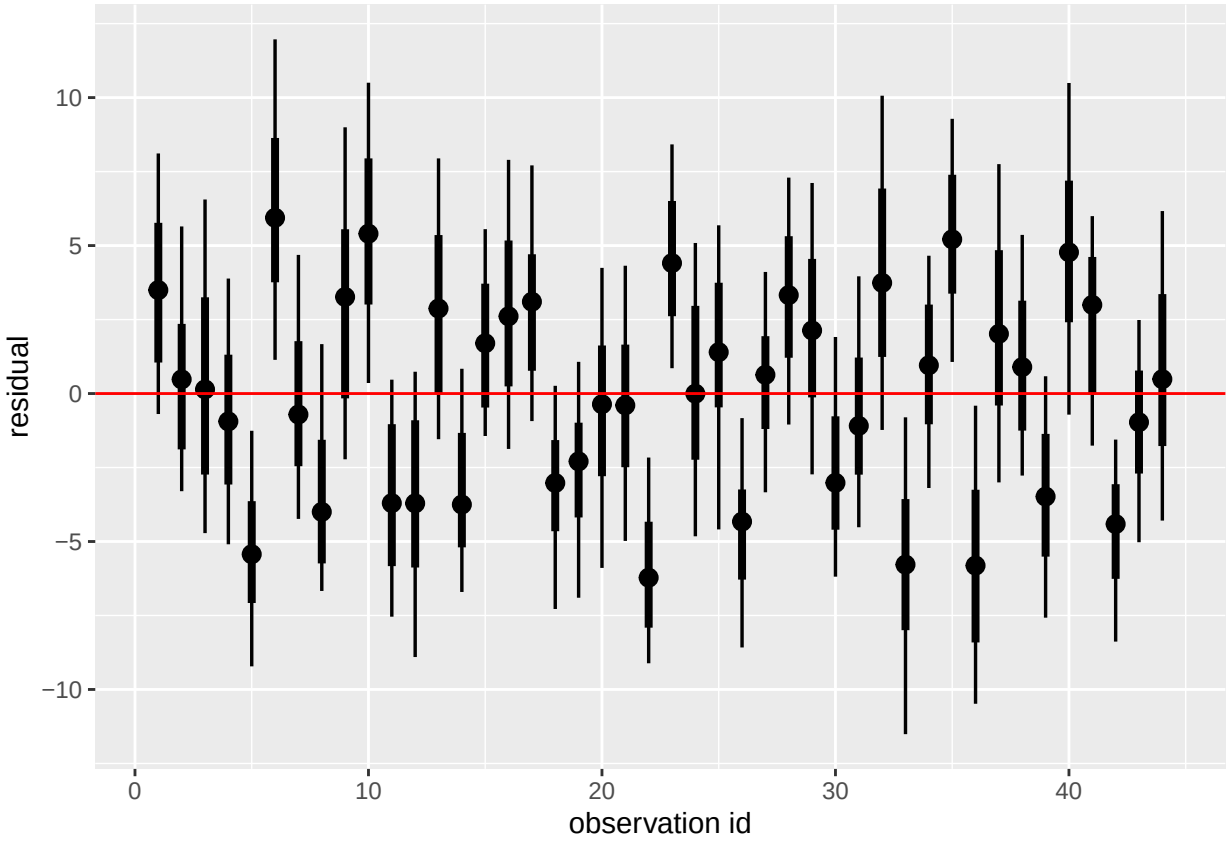
	Point est.	Upper C.I.
r_set:arm[EE.NF2_B,Intercept]	1.01	1.01
r_set:arm[EE.NF2_C,Intercept]	1.00	1.00
r_set:arm[EE.NF2_D,Intercept]	1.01	1.01
r_set:arm[EE.NF3_A,Intercept]	1.00	1.00
r_set:arm[EE.NF3_B,Intercept]	1.00	1.00
r_set:arm[EE.NF3_C,Intercept]	1.01	1.01
r_set:arm[EE.NF3_D,Intercept]	1.00	1.01
r_set:arm[EE.NF1_A,year]	1.00	1.00
r_set:arm[EE.NF1_B,year]	1.00	1.00
r_set:arm[EE.NF1_C,year]	1.00	1.00
r_set:arm[EE.NF1_D,year]	1.00	1.00
r_set:arm[EE.NF2_A,year]	1.00	1.00
r_set:arm[EE.NF2_B,year]	1.00	1.00
r_set:arm[EE.NF2_C,year]	1.00	1.00
r_set:arm[EE.NF2_D,year]	1.00	1.00
r_set:arm[EE.NF3_A,year]	1.00	1.01
r_set:arm[EE.NF3_B,year]	1.00	1.00
r_set:arm[EE.NF3_C,year]	1.00	1.00
r_set:arm[EE.NF3_D,year]	1.00	1.00
lp___	1.00	1.02

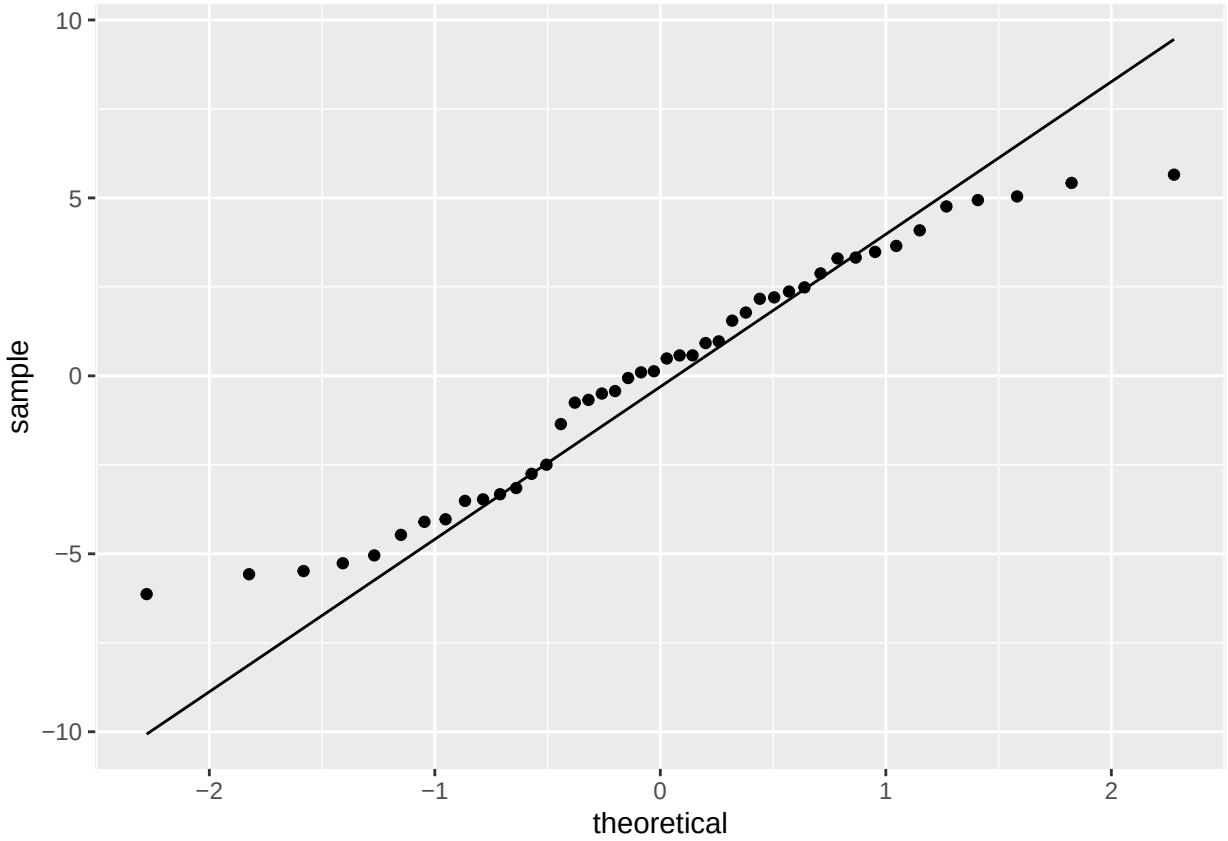
Number of divergences: 0

GATE: EldersEastShallow






10
5
0
−5
−10
residual
0
10
20
30
40
observation id

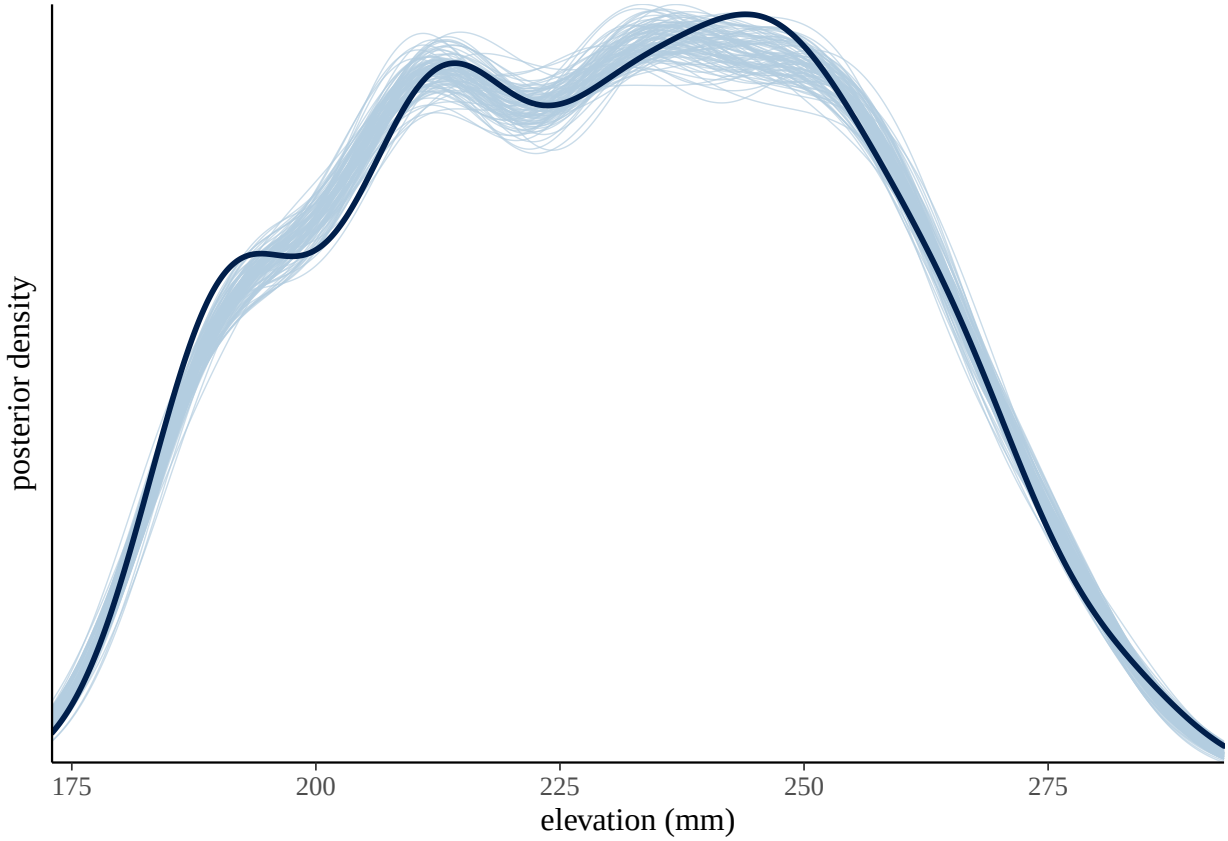


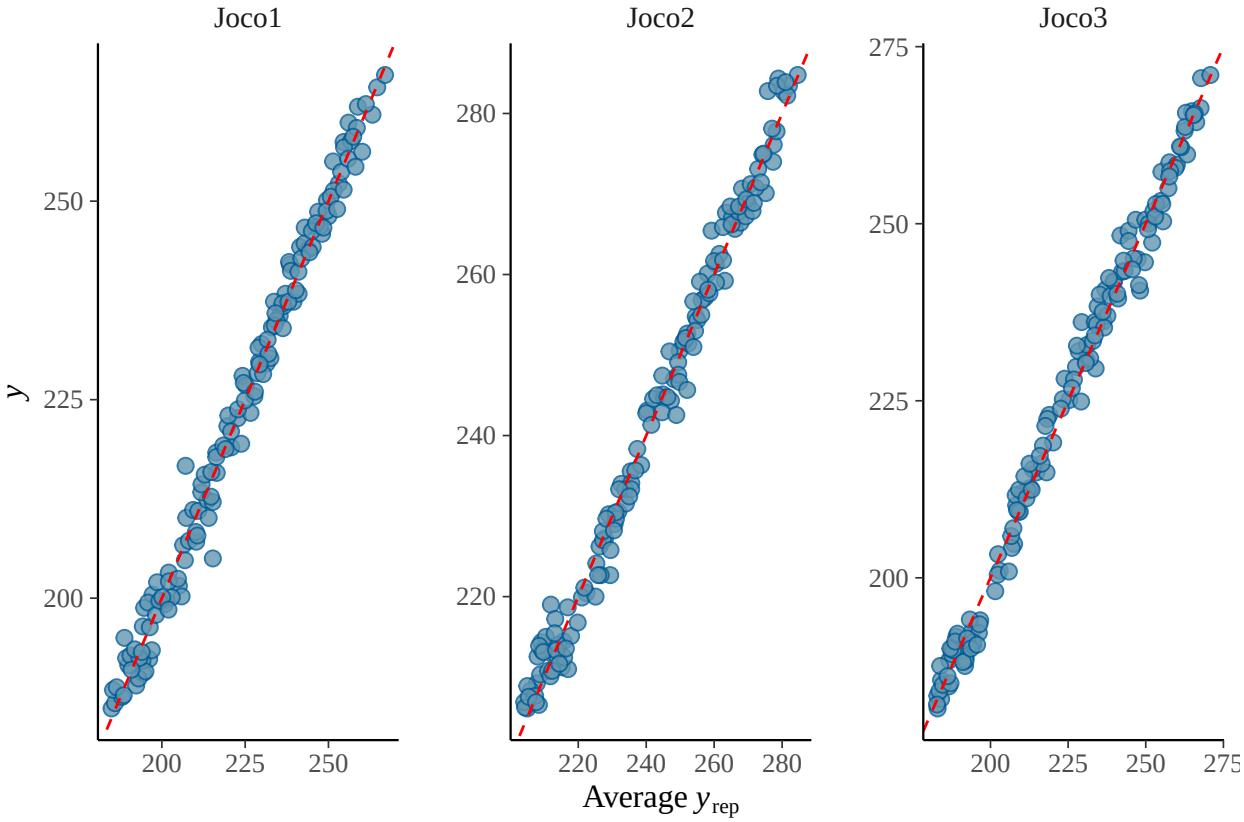
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.07	1.08
sd_set__year	1.00	1.01
sd_set:arm__Intercept	1.01	1.03
sd_set:arm__year	1.03	1.04
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.01
r_set[EE1.Shallow,Intercept]	1.00	1.00
r_set[EE2.Shallow,Intercept]	1.00	1.00
r_set[EE3.Shallow,Intercept]	1.00	1.00
r_set[EE1.Shallow,year]	1.00	1.00
r_set[EE2.Shallow,year]	1.00	1.00
r_set[EE3.Shallow,year]	1.00	1.00
r_set:arm[EE1.Shallow_A,Intercept]	1.00	1.01
r_set:arm[EE1.Shallow_B,Intercept]	1.00	1.00
r_set:arm[EE1.Shallow_C,Intercept]	1.00	1.00
r_set:arm[EE1.Shallow_D,Intercept]	1.00	1.00
r_set:arm[EE2.Shallow_A,Intercept]	1.00	1.00

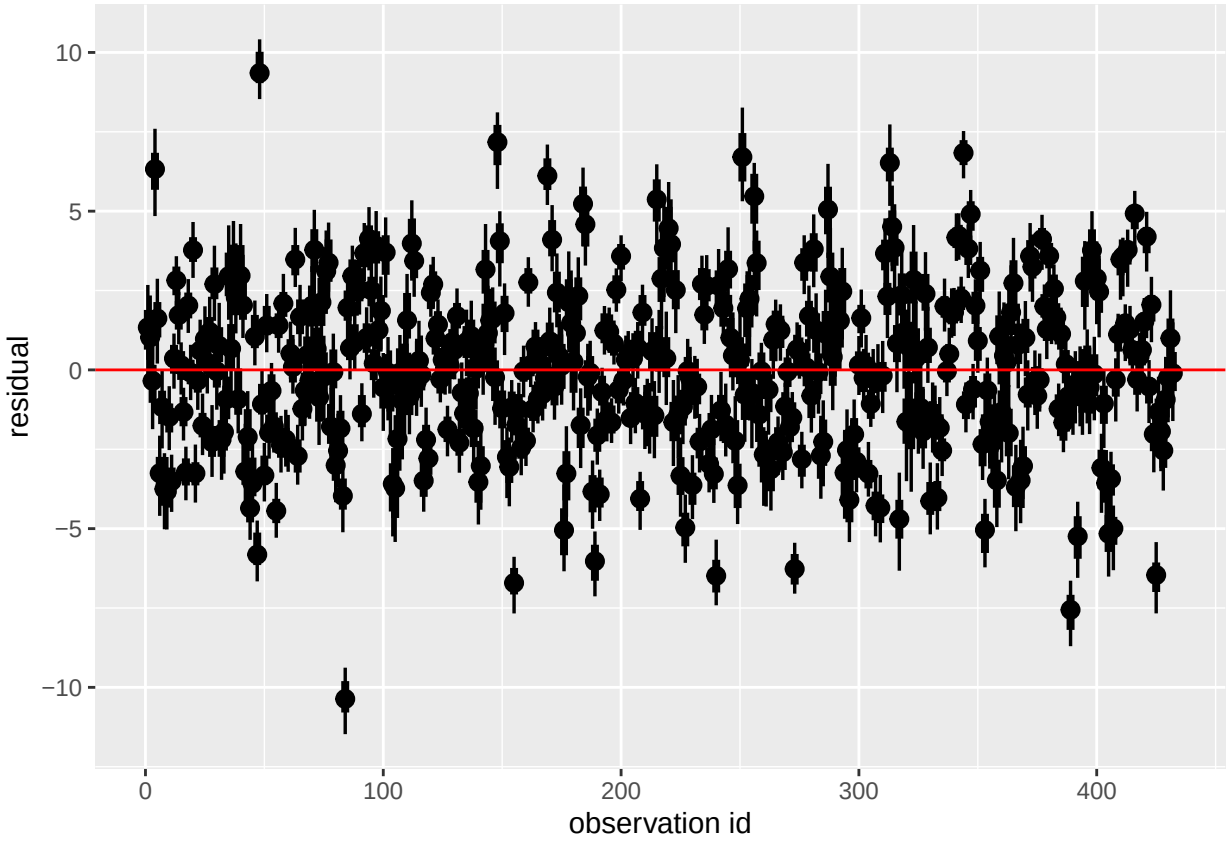
	Point est.	Upper C.I.
r_set:arm[EE2.Shallow_B,Intercept]	1.00	1.01
r_set:arm[EE2.Shallow_C,Intercept]	1.00	1.01
r_set:arm[EE2.Shallow_D,Intercept]	1.00	1.01
r_set:arm[EE3.Shallow_A,Intercept]	1.00	1.00
r_set:arm[EE3.Shallow_B,Intercept]	1.00	1.00
r_set:arm[EE3.Shallow_C,Intercept]	1.00	1.01
r_set:arm[EE3.Shallow_D,Intercept]	1.00	1.00
r_set:arm[EE1.Shallow_A,year]	1.04	1.06
r_set:arm[EE1.Shallow_B,year]	1.01	1.01
r_set:arm[EE1.Shallow_C,year]	1.01	1.01
r_set:arm[EE1.Shallow_D,year]	1.03	1.04
r_set:arm[EE2.Shallow_A,year]	1.02	1.03
r_set:arm[EE2.Shallow_B,year]	1.03	1.04
r_set:arm[EE2.Shallow_C,year]	1.02	1.02
r_set:arm[EE2.Shallow_D,year]	1.02	1.02
r_set:arm[EE3.Shallow_A,year]	1.02	1.02
r_set:arm[EE3.Shallow_B,year]	1.03	1.05
r_set:arm[EE3.Shallow_C,year]	1.02	1.02
r_set:arm[EE3.Shallow_D,year]	1.02	1.03
lp___	1.01	1.04

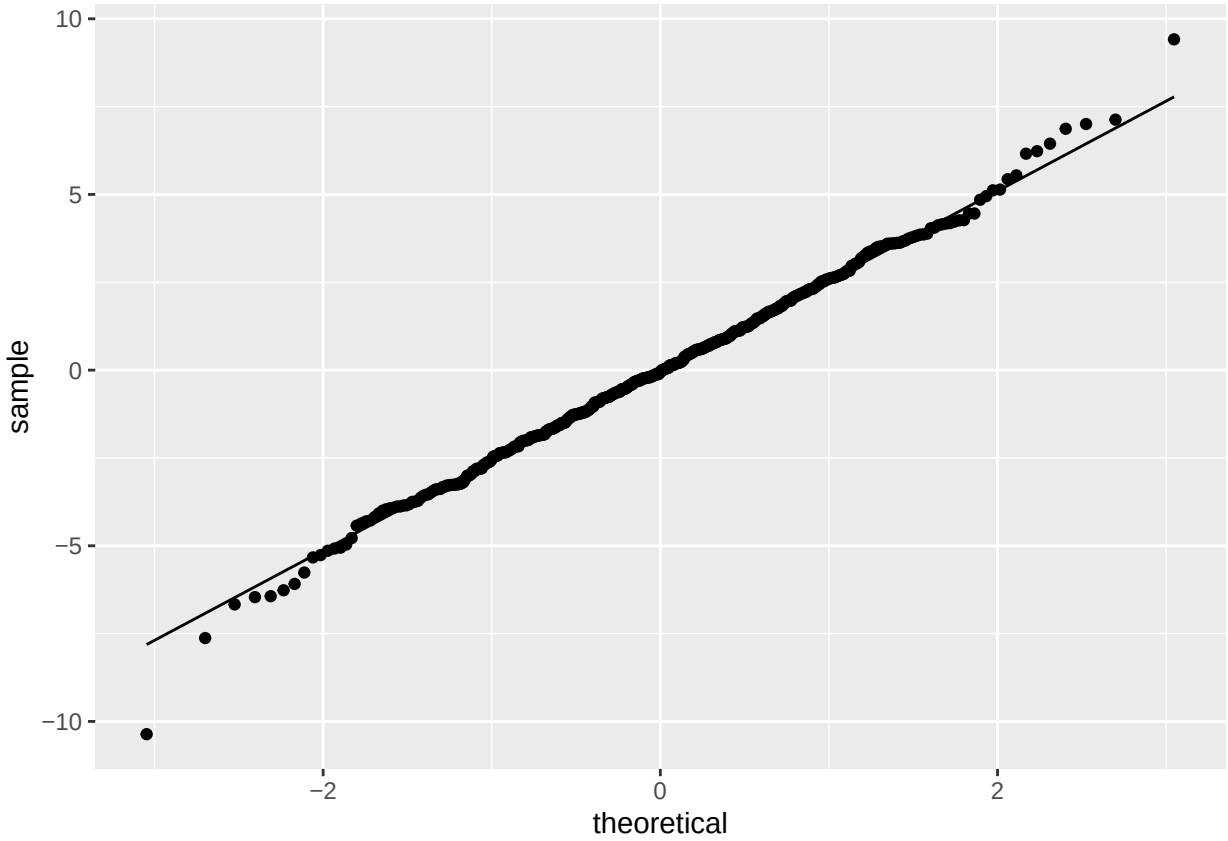
Number of divergences: 1

GATE: JOCO


posterior density
175
200
225
250
275
elevation (mm)


Joco1
Joco2
Joco3
y
200
225
250
220
240
260
280
275
Average y_{rep}


10
5
0
−5
−10
residual
0
100
200
300
400
observation id

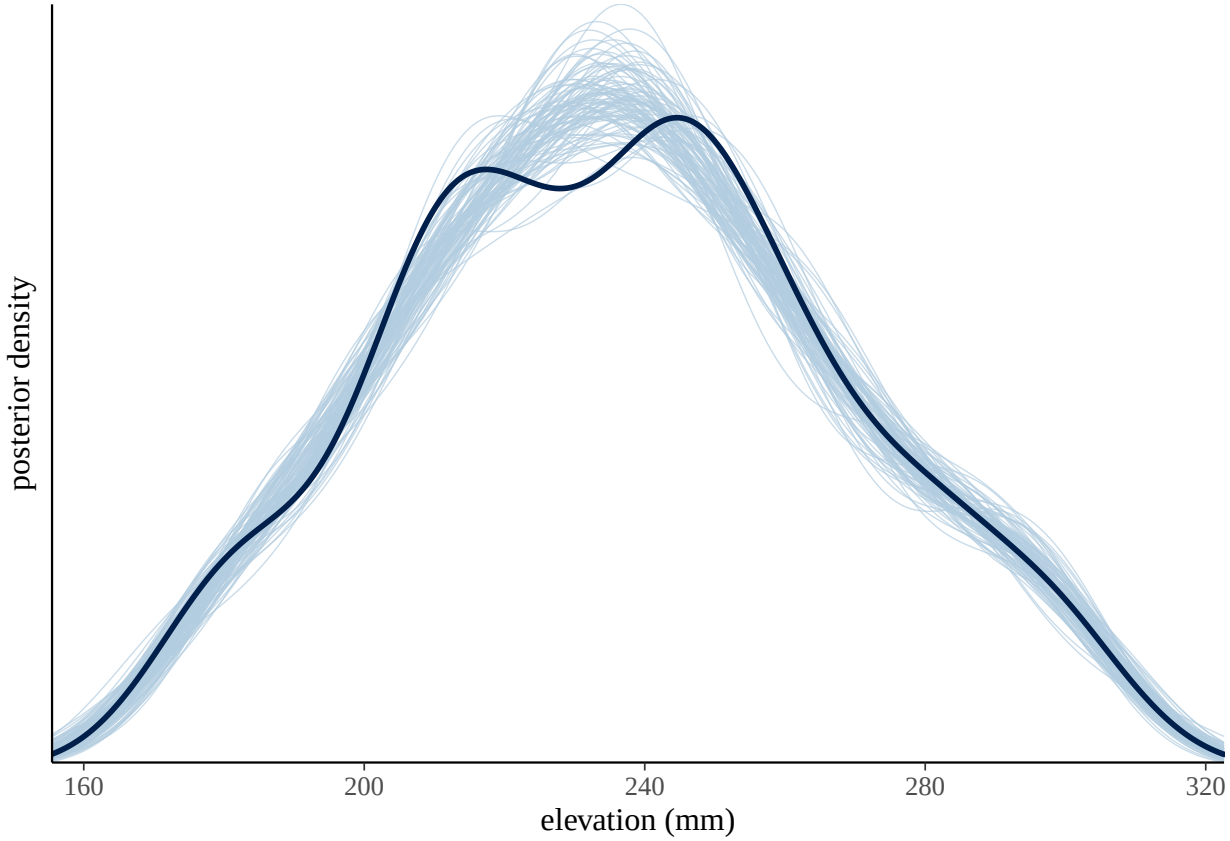


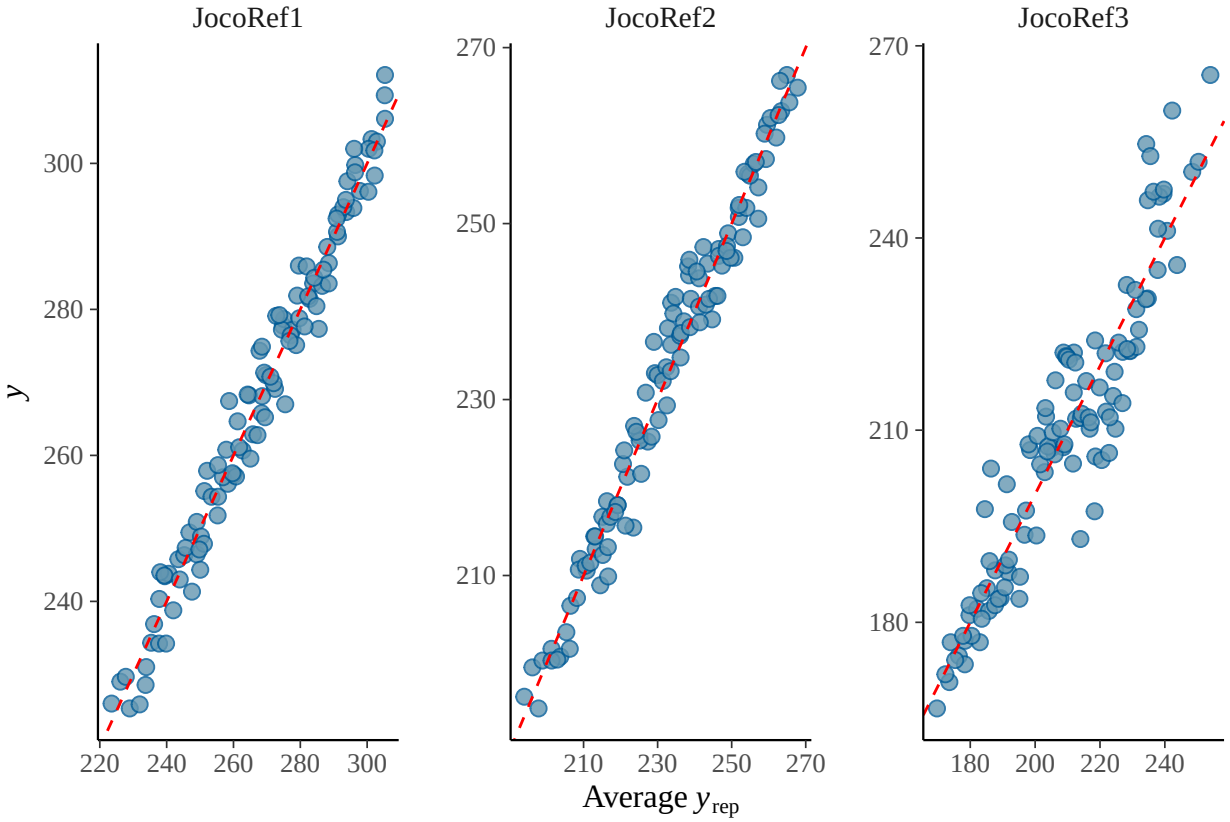
	Point est.	Upper C.I.
b_Intercept	1.01	1.02
b_year	1.03	1.04
sd_set__Intercept	1.03	1.03
sd_set__year	1.02	1.04
sd_set:arm__Intercept	1.01	1.01
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Joco1,Intercept]	1.01	1.02
r_set[Joco2,Intercept]	1.01	1.01
r_set[Joco3,Intercept]	1.01	1.02
r_set[Joco1,year]	1.03	1.05
r_set[Joco2,year]	1.03	1.04
r_set[Joco3,year]	1.03	1.04
r_set:arm[Joco1_A,Intercept]	1.00	1.00
r_set:arm[Joco1_B,Intercept]	1.00	1.00
r_set:arm[Joco1_C,Intercept]	1.00	1.00
r_set:arm[Joco1_D,Intercept]	1.00	1.00
r_set:arm[Joco2_A,Intercept]	1.00	1.00

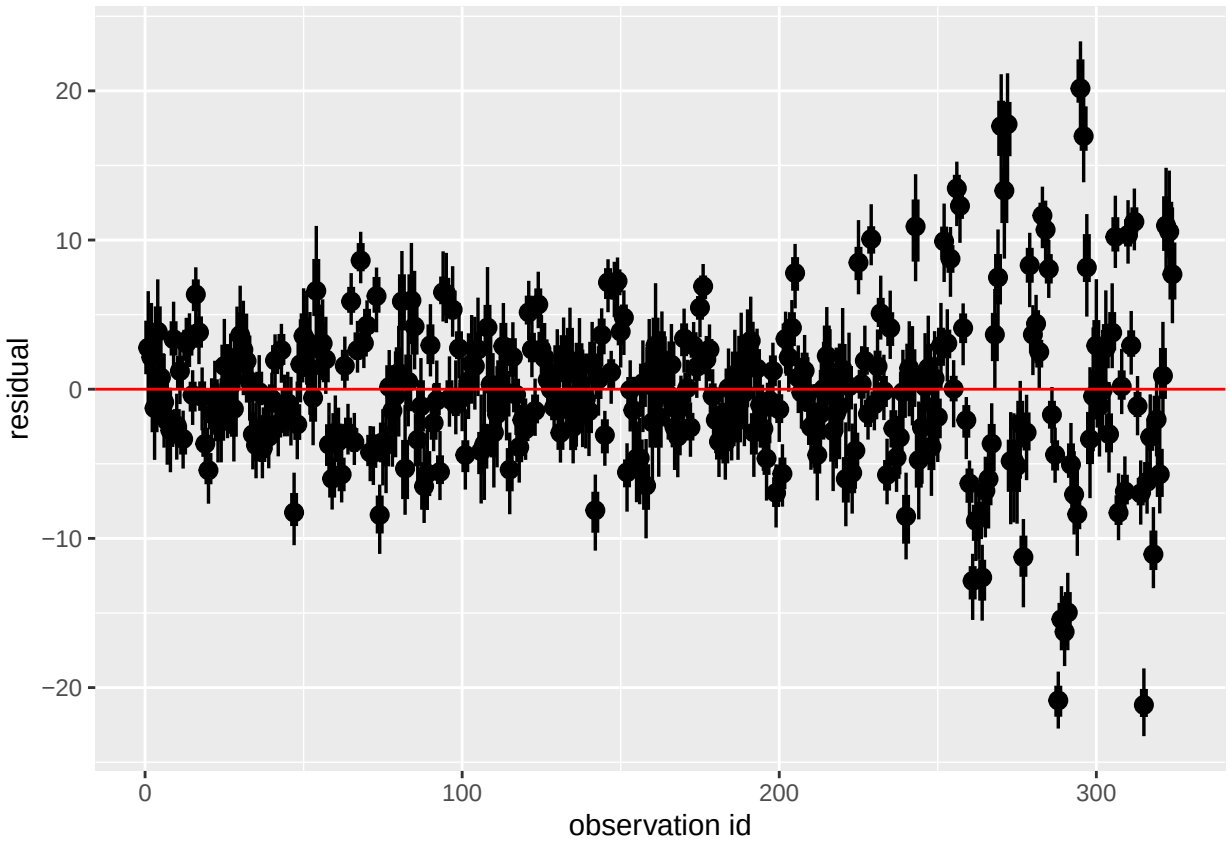
	Point est.	Upper C.I.
r_set:arm[Joco2_B,Intercept]	1.00	1.00
r_set:arm[Joco2_C,Intercept]	1.00	1.01
r_set:arm[Joco2_D,Intercept]	1.00	1.01
r_set:arm[Joco3_A,Intercept]	1.00	1.00
r_set:arm[Joco3_B,Intercept]	1.00	1.01
r_set:arm[Joco3_C,Intercept]	1.00	1.01
r_set:arm[Joco3_D,Intercept]	1.00	1.01
r_set:arm[Joco1_A,year]	1.00	1.00
r_set:arm[Joco1_B,year]	1.00	1.00
r_set:arm[Joco1_C,year]	1.00	1.00
r_set:arm[Joco1_D,year]	1.00	1.01
r_set:arm[Joco2_A,year]	1.00	1.00
r_set:arm[Joco2_B,year]	1.00	1.00
r_set:arm[Joco2_C,year]	1.00	1.00
r_set:arm[Joco2_D,year]	1.00	1.00
r_set:arm[Joco3_A,year]	1.00	1.00
r_set:arm[Joco3_B,year]	1.00	1.00
r_set:arm[Joco3_C,year]	1.00	1.00
r_set:arm[Joco3_D,year]	1.00	1.01
lp___	1.00	1.01

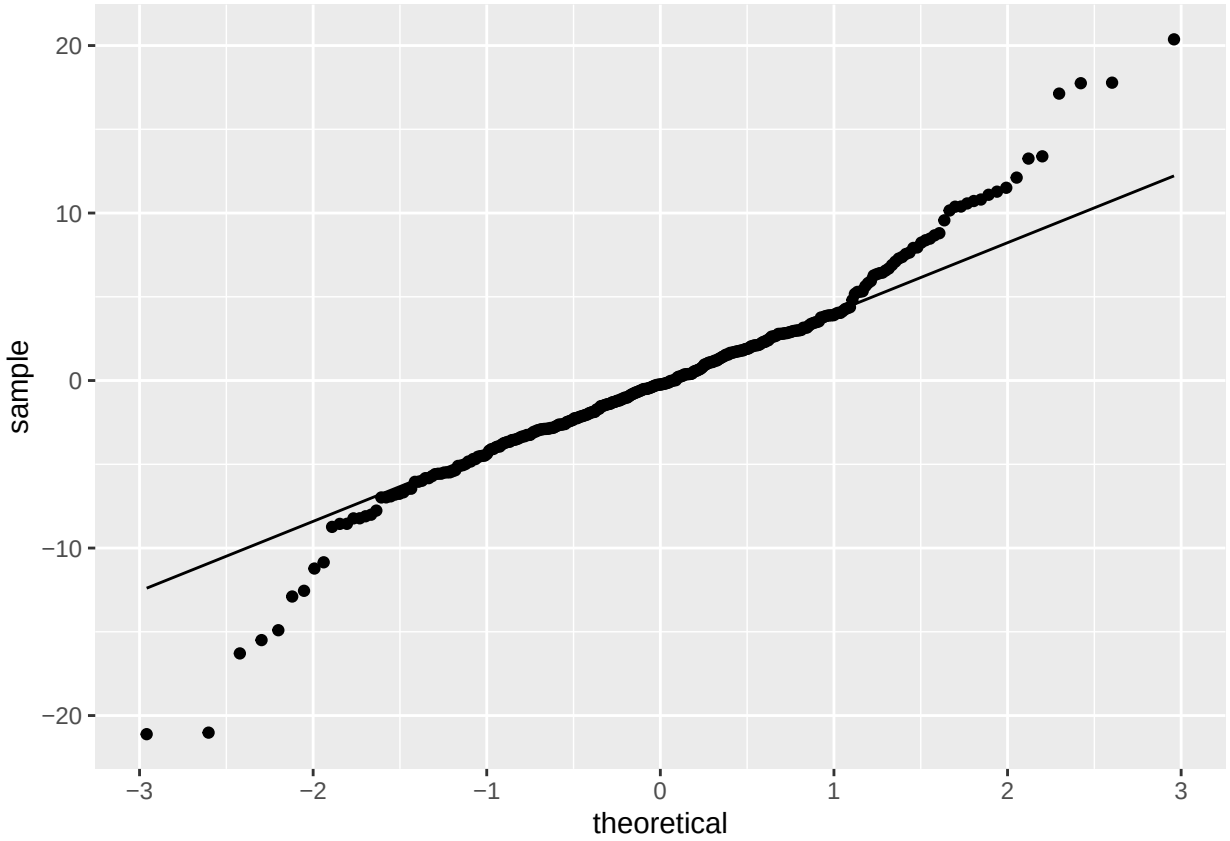
Number of divergences: 0

GATE: JOCOREFGen






residual
20
10
0
−10
−20
0
100
200
300
observation id

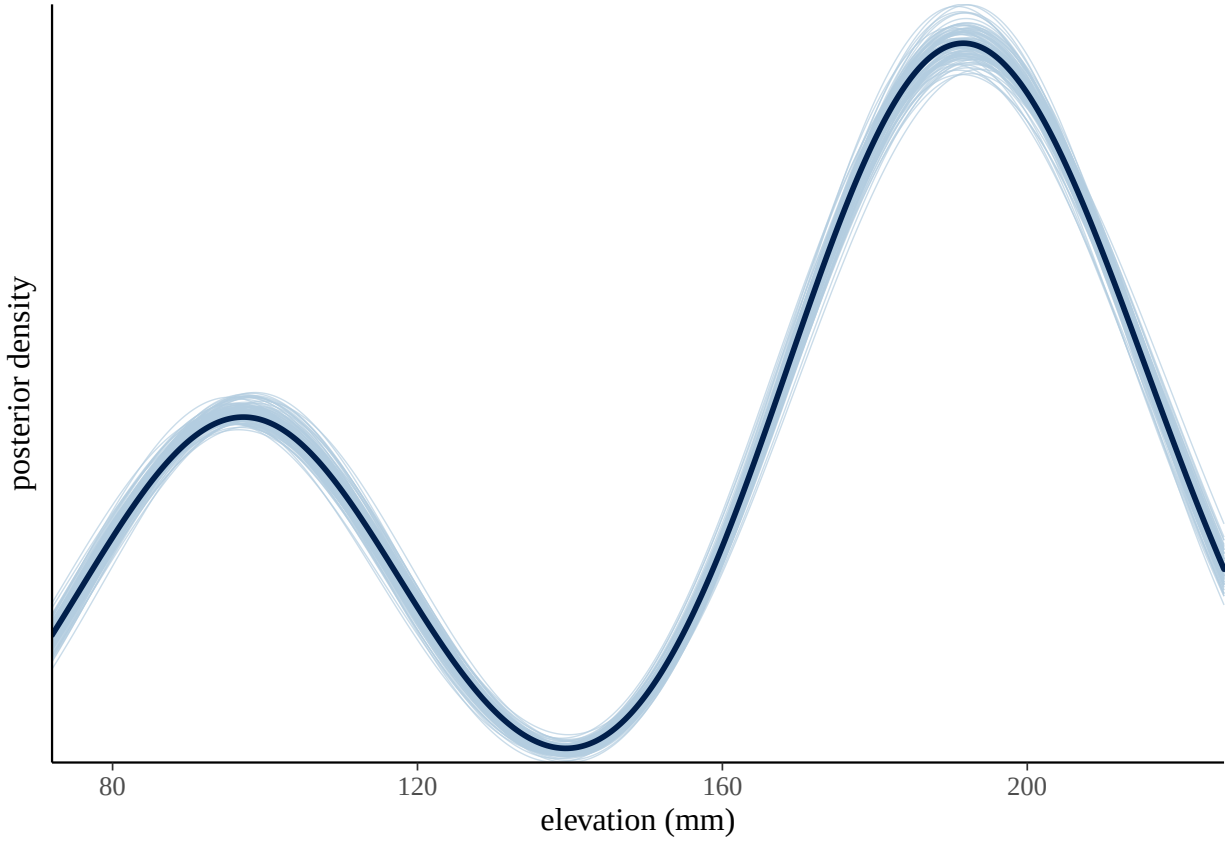


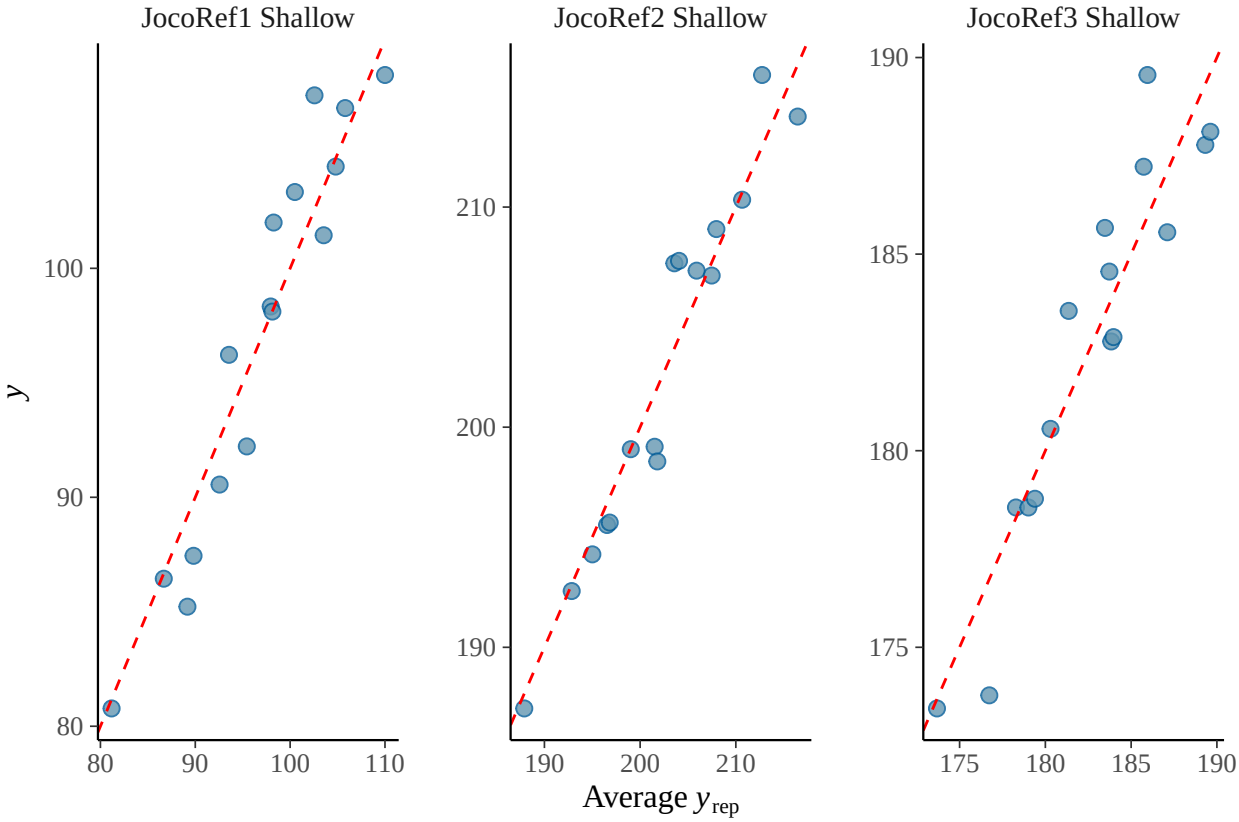
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.08	1.12
sd_set__Intercept	1.01	1.01
sd_set__year	1.11	1.16
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[JocoRef1,Intercept]	1.00	1.00
r_set[JocoRef2,Intercept]	1.00	1.00
r_set[JocoRef3,Intercept]	1.00	1.01
r_set[JocoRef1,year]	1.07	1.11
r_set[JocoRef2,year]	1.07	1.11
r_set[JocoRef3,year]	1.09	1.14
r_set:arm[JocoRef1_A,Intercept]	1.00	1.00
r_set:arm[JocoRef1_B,Intercept]	1.00	1.00
r_set:arm[JocoRef1_C,Intercept]	1.00	1.00
r_set:arm[JocoRef1_D,Intercept]	1.00	1.00
r_set:arm[JocoRef2_A,Intercept]	1.00	1.00

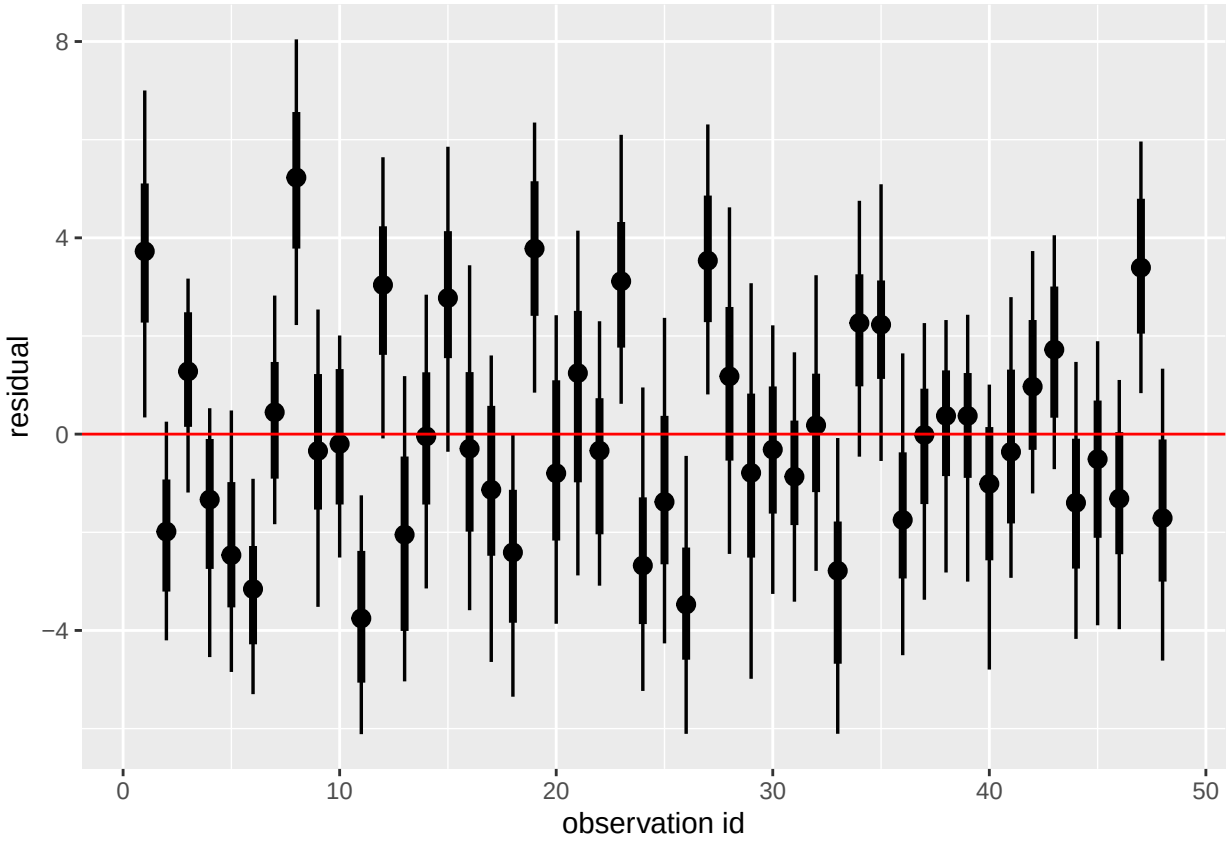
	Point est.	Upper C.I.
r_set:arm[JocoRef2_B,Intercept]	1.00	1.00
r_set:arm[JocoRef2_C,Intercept]	1.00	1.00
r_set:arm[JocoRef2_D,Intercept]	1.00	1.00
r_set:arm[JocoRef3_A,Intercept]	1.00	1.00
r_set:arm[JocoRef3_B,Intercept]	1.00	1.00
r_set:arm[JocoRef3_C,Intercept]	1.00	1.00
r_set:arm[JocoRef3_D,Intercept]	1.00	1.00
r_set:arm[JocoRef1_A,year]	1.00	1.00
r_set:arm[JocoRef1_B,year]	1.00	1.00
r_set:arm[JocoRef1_C,year]	1.00	1.00
r_set:arm[JocoRef1_D,year]	1.00	1.00
r_set:arm[JocoRef2_A,year]	1.00	1.00
r_set:arm[JocoRef2_B,year]	1.00	1.00
r_set:arm[JocoRef2_C,year]	1.00	1.00
r_set:arm[JocoRef2_D,year]	1.00	1.00
r_set:arm[JocoRef3_A,year]	1.00	1.00
r_set:arm[JocoRef3_B,year]	1.00	1.01
r_set:arm[JocoRef3_C,year]	1.00	1.00
r_set:arm[JocoRef3_D,year]	1.00	1.01
lp___	1.00	1.01

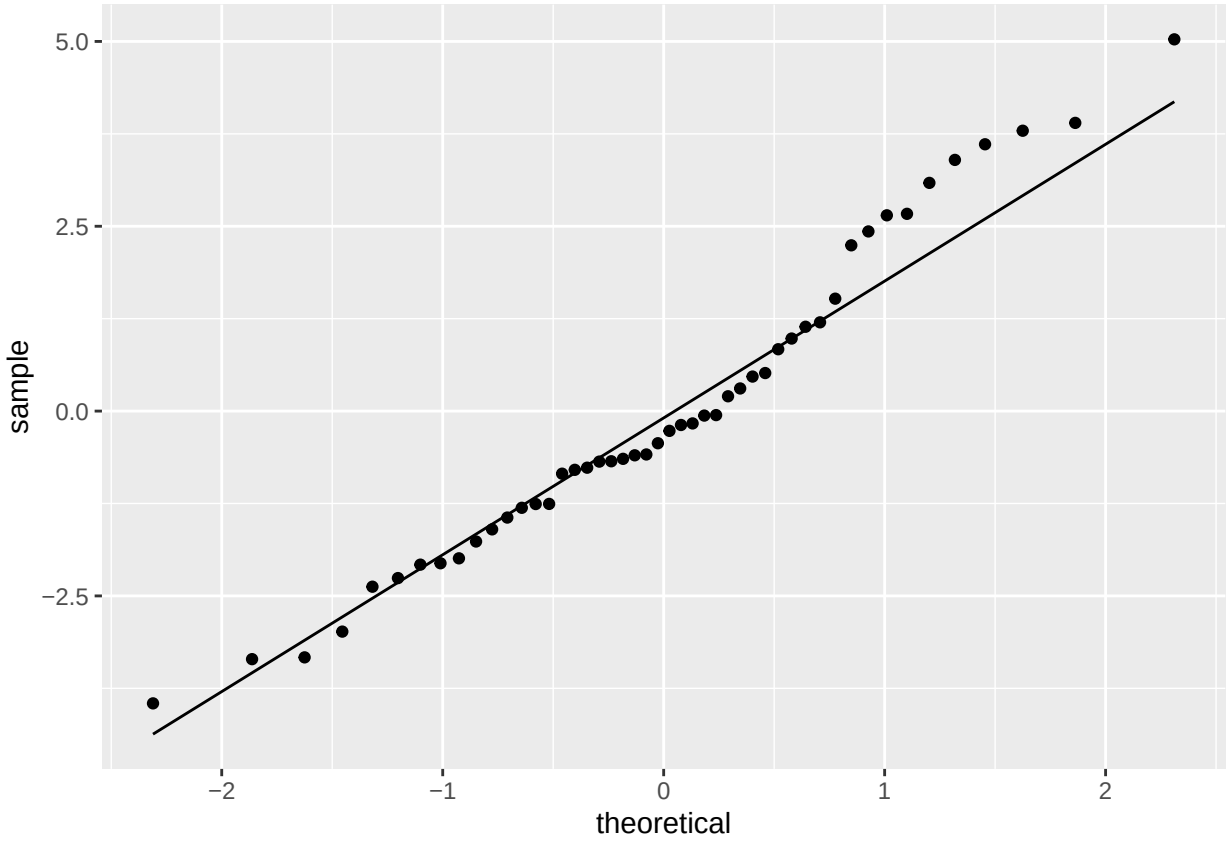
Number of divergences: 0

GATE: JOCOREFShallow






8
4
0
−4
residual
0
10
20
30
40
50
observation id

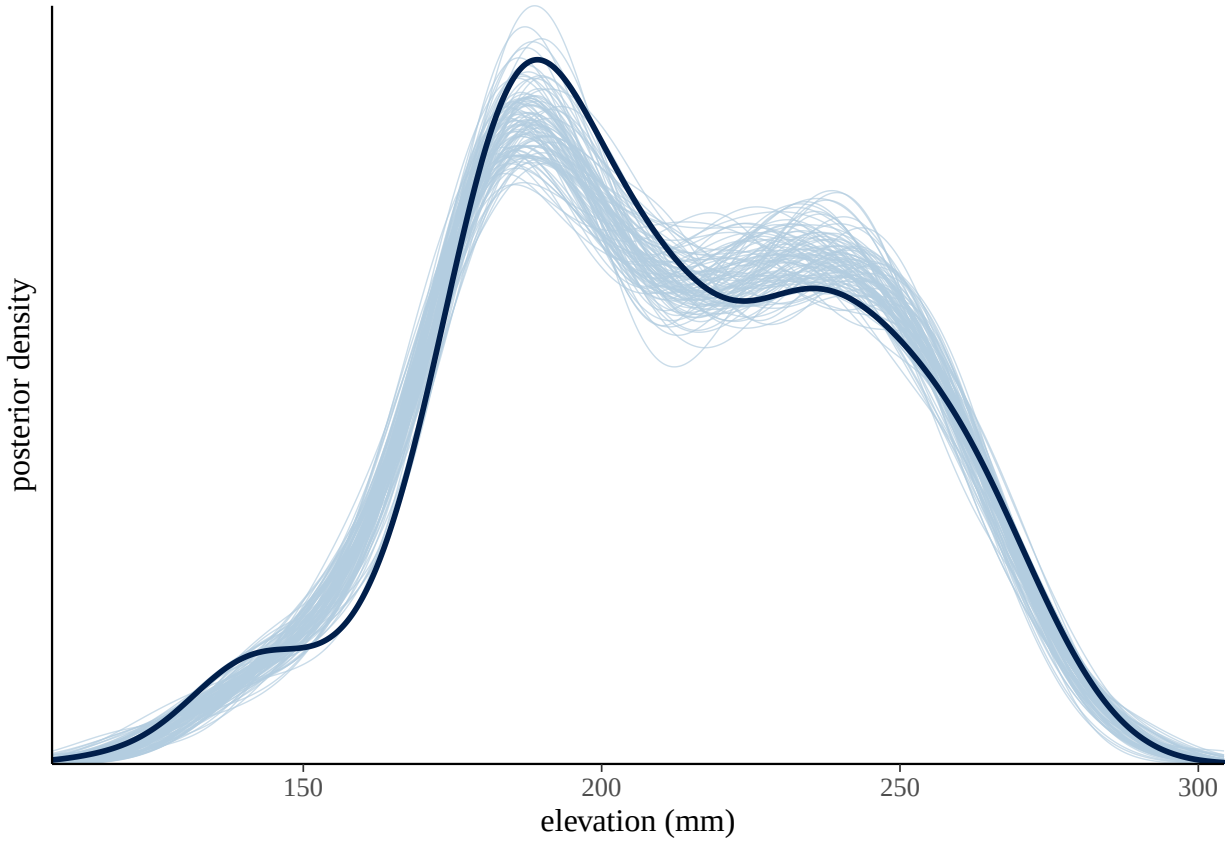


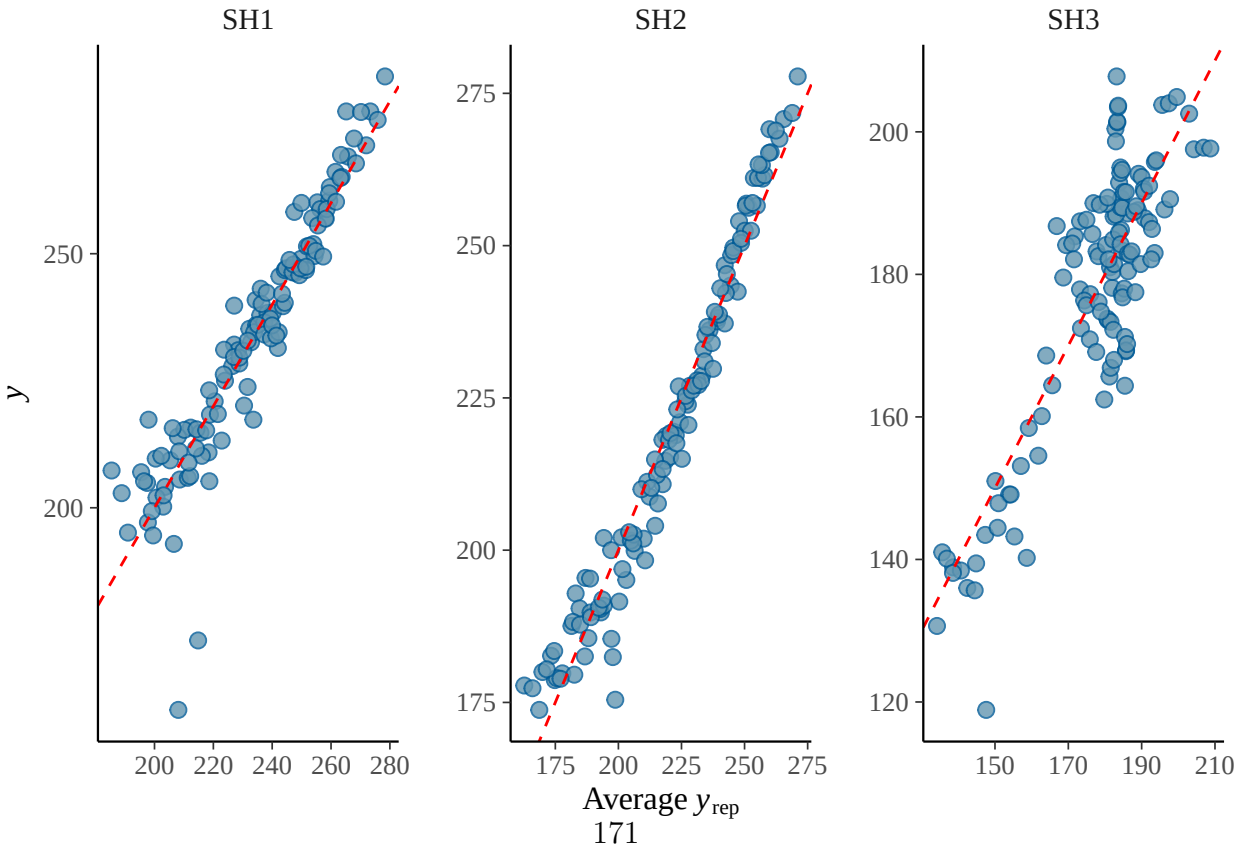
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.01	1.02
sd_set__Intercept	1.01	1.01
sd_set__year	1.01	1.03
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[JocoRef1.Shallow,Intercept]	1.00	1.00
r_set[JocoRef2.Shallow,Intercept]	1.00	1.00
r_set[JocoRef3.Shallow,Intercept]	1.00	1.00
r_set[JocoRef1.Shallow,year]	1.01	1.03
r_set[JocoRef2.Shallow,year]	1.01	1.02
r_set[JocoRef3.Shallow,year]	1.01	1.02
r_set:arm[JocoRef1.Shallow_A,Intercept]	1.00	1.00
r_set:arm[JocoRef1.Shallow_B,Intercept]	1.00	1.00
r_set:arm[JocoRef1.Shallow_C,Intercept]	1.00	1.00
r_set:arm[JocoRef1.Shallow_D,Intercept]	1.00	1.00
r_set:arm[JocoRef2.Shallow_A,Intercept]	1.00	1.00

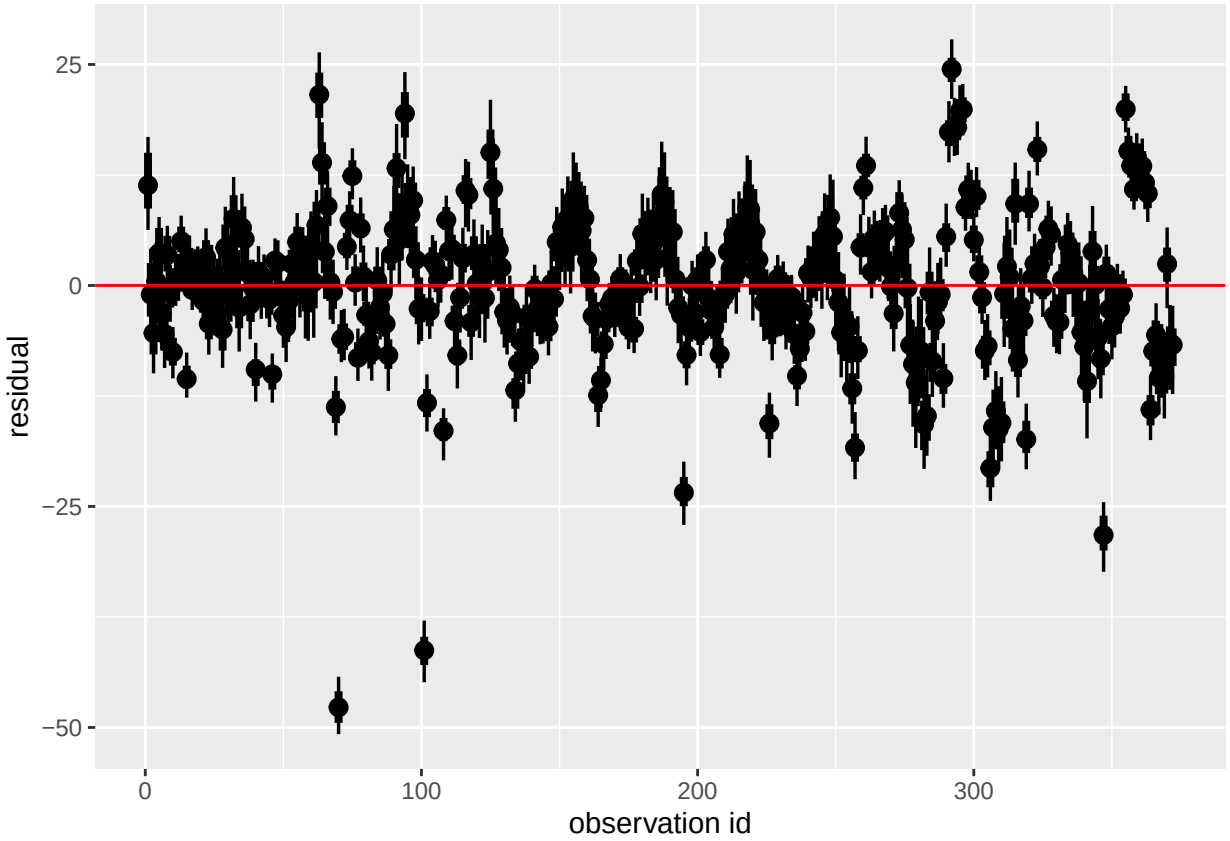
	Point est.	Upper C.I.
r_set:arm[JocoRef2.Shallow_B,Intercept]	1.00	1.00
r_set:arm[JocoRef2.Shallow_C,Intercept]	1.00	1.00
r_set:arm[JocoRef2.Shallow_D,Intercept]	1.00	1.00
r_set:arm[JocoRef3.Shallow_A,Intercept]	1.00	1.00
r_set:arm[JocoRef3.Shallow_B,Intercept]	1.00	1.01
r_set:arm[JocoRef3.Shallow_C,Intercept]	1.00	1.00
r_set:arm[JocoRef3.Shallow_D,Intercept]	1.00	1.00
r_set:arm[JocoRef1.Shallow_A,year]	1.00	1.00
r_set:arm[JocoRef1.Shallow_B,year]	1.01	1.01
r_set:arm[JocoRef1.Shallow_C,year]	1.00	1.00
r_set:arm[JocoRef1.Shallow_D,year]	1.00	1.00
r_set:arm[JocoRef2.Shallow_A,year]	1.00	1.01
r_set:arm[JocoRef2.Shallow_B,year]	1.00	1.00
r_set:arm[JocoRef2.Shallow_C,year]	1.00	1.00
r_set:arm[JocoRef2.Shallow_D,year]	1.00	1.00
r_set:arm[JocoRef3.Shallow_A,year]	1.00	1.01
r_set:arm[JocoRef3.Shallow_B,year]	1.01	1.01
r_set:arm[JocoRef3.Shallow_C,year]	1.00	1.00
r_set:arm[JocoRef3.Shallow_D,year]	1.00	1.00
lp___	1.01	1.03

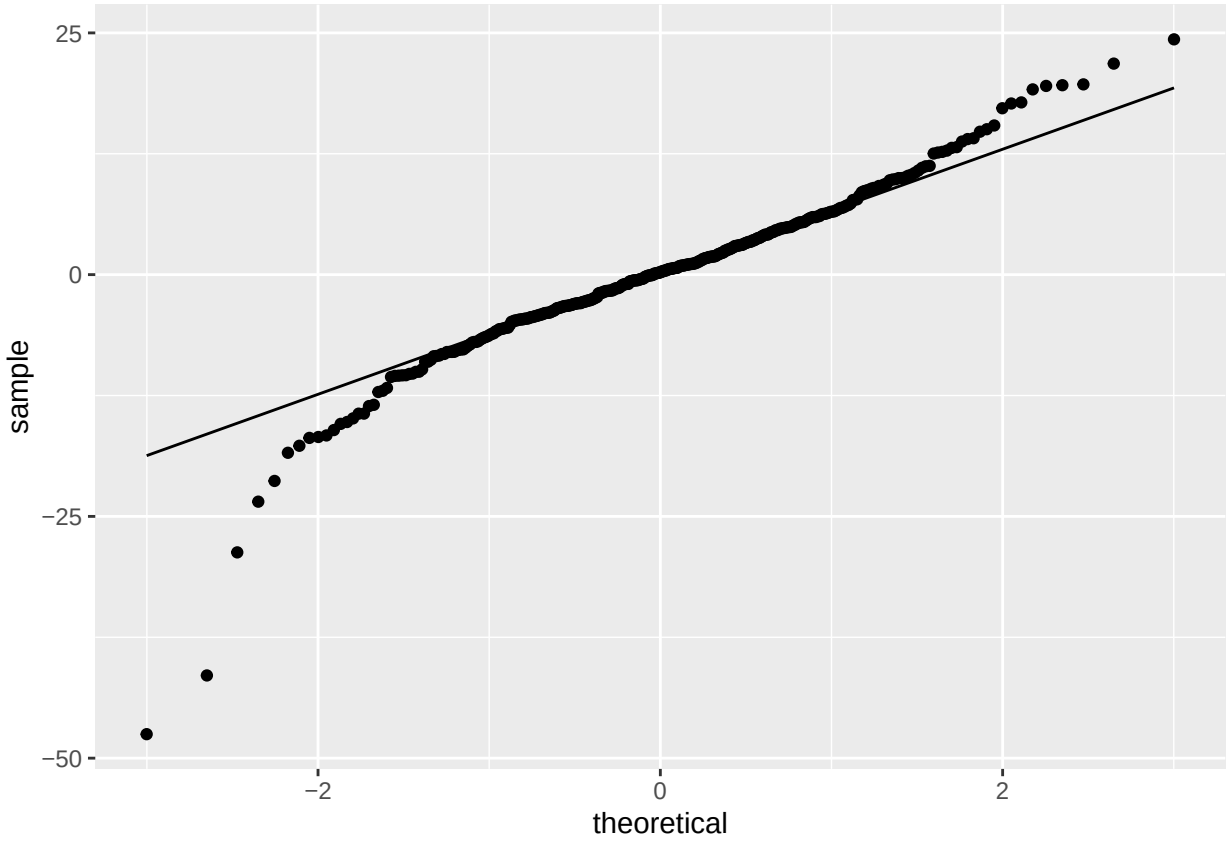
Number of divergences: 1

GATE: SandyHook






25
0
−25
−50
residual
0
100
200
300
observation id

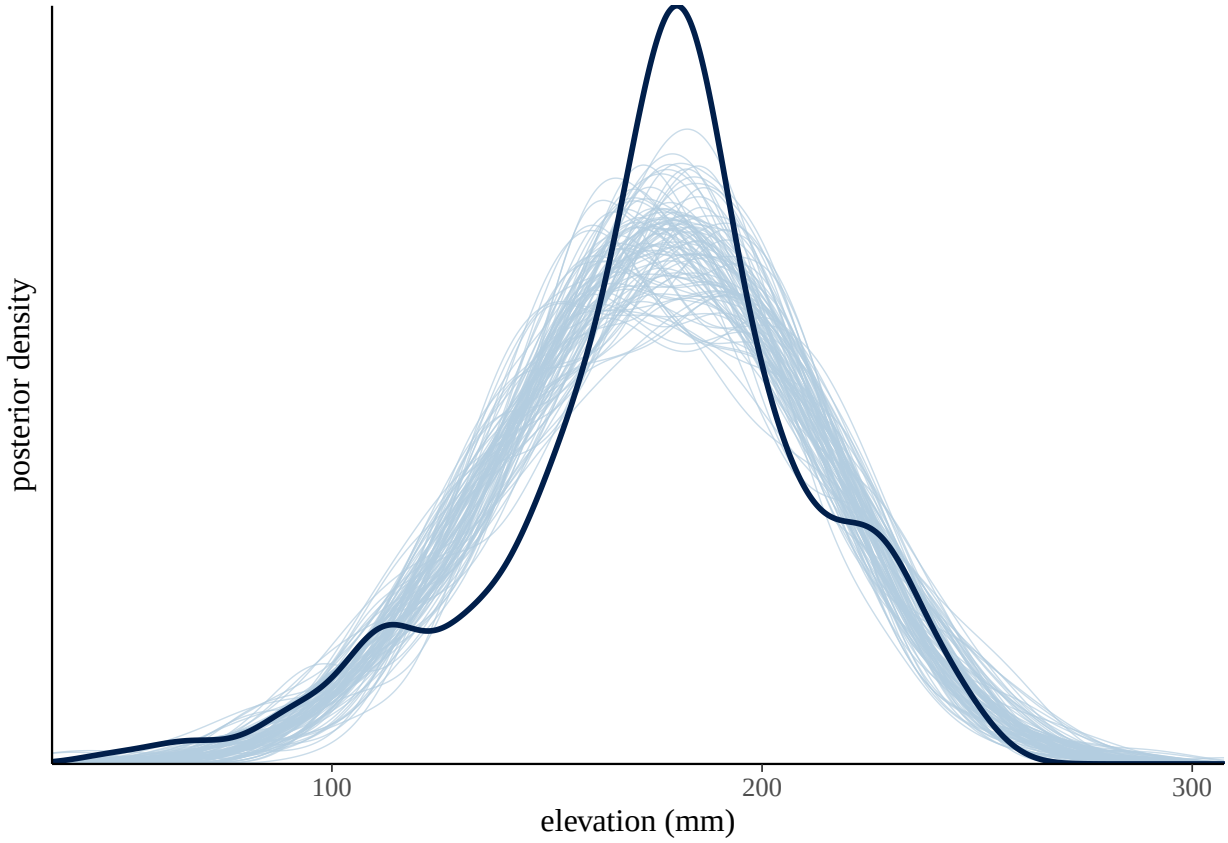


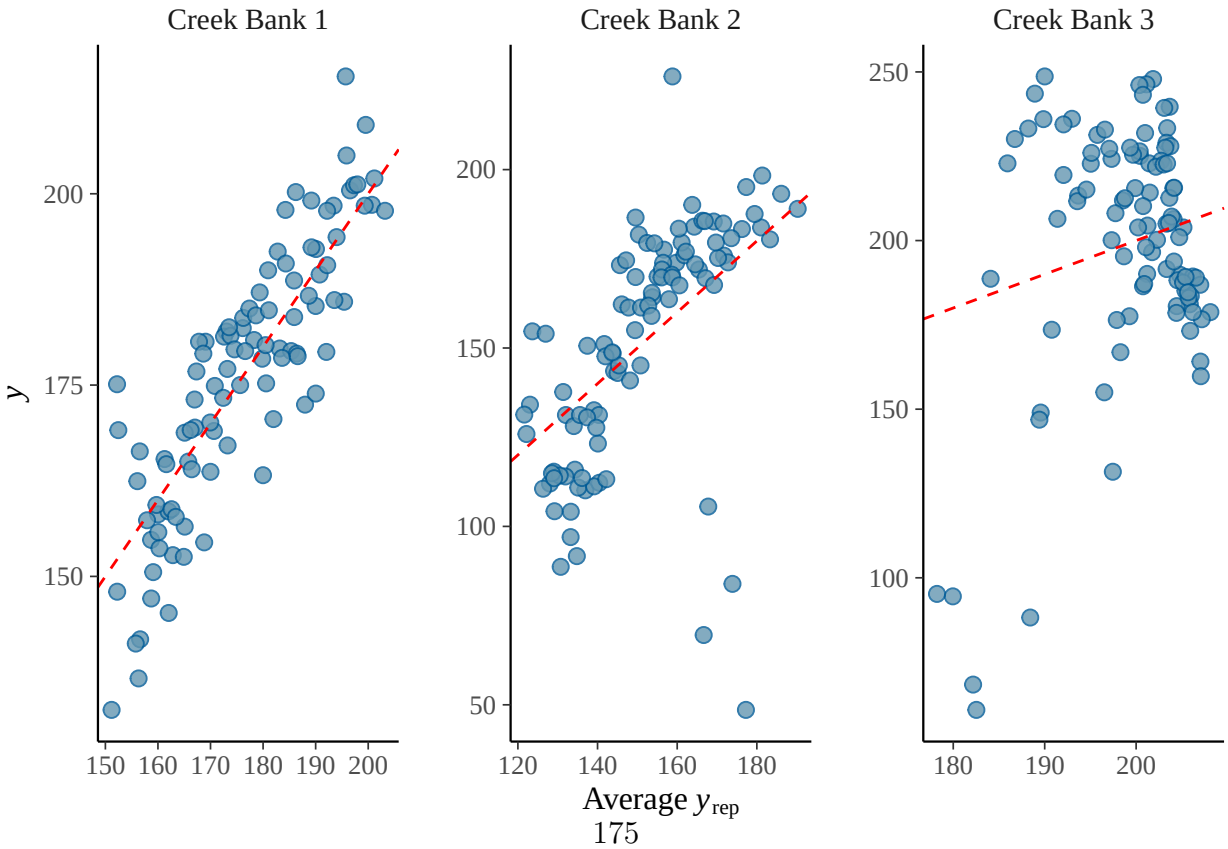
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.01	1.01
sd_set__year	1.00	1.01
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[SH1,Intercept]	1.00	1.01
r_set[SH2,Intercept]	1.00	1.01
r_set[SH3,Intercept]	1.00	1.00
r_set[SH1,year]	1.00	1.00
r_set[SH2,year]	1.00	1.00
r_set[SH3,year]	1.00	1.00
r_set:arm[SH1_A,Intercept]	1.00	1.00
r_set:arm[SH1_B,Intercept]	1.00	1.00
r_set:arm[SH1_C,Intercept]	1.00	1.00
r_set:arm[SH1_D,Intercept]	1.00	1.00
r_set:arm[SH2_A,Intercept]	1.00	1.00

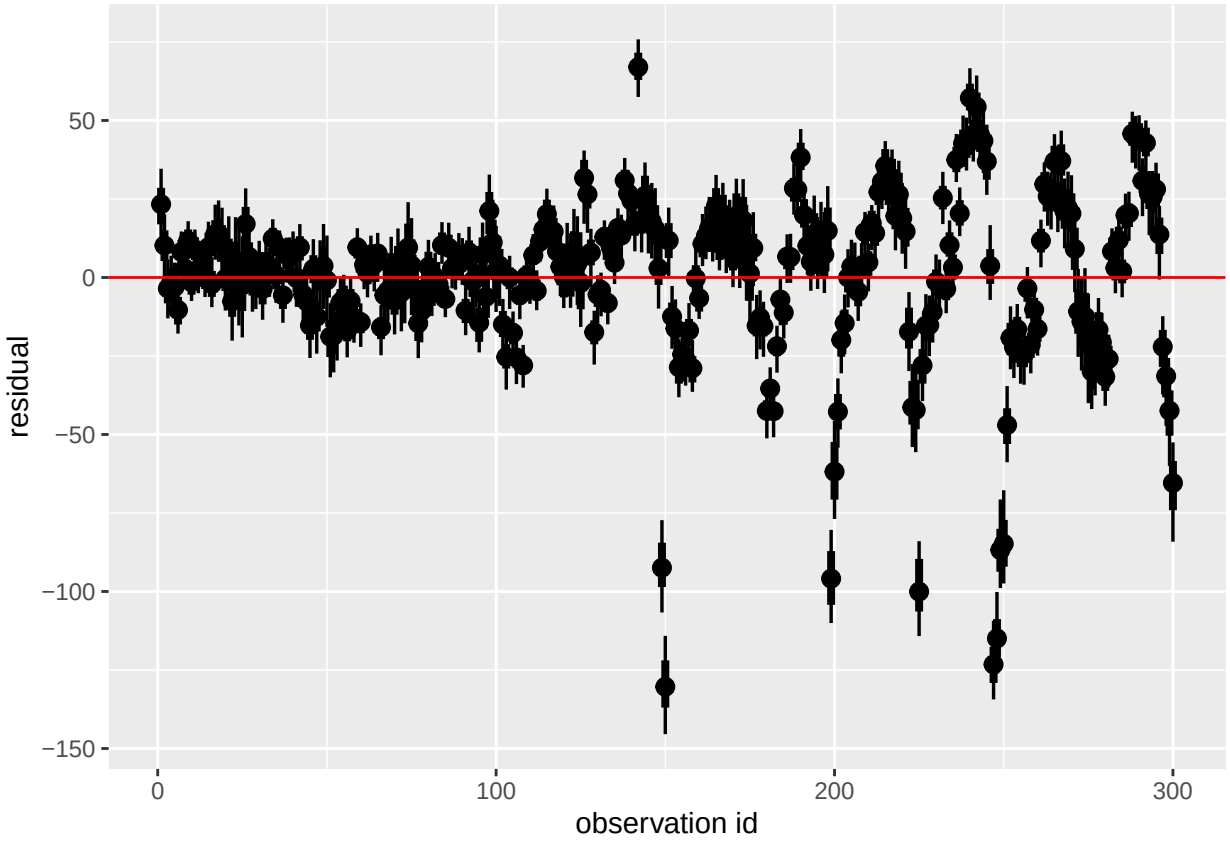
	Point est.	Upper C.I.
r_set:arm[SH2_B,Intercept]	1.00	1.00
r_set:arm[SH2_C,Intercept]	1.00	1.00
r_set:arm[SH2_D,Intercept]	1.00	1.00
r_set:arm[SH3_A,Intercept]	1.00	1.01
r_set:arm[SH3_B,Intercept]	1.00	1.01
r_set:arm[SH3_C,Intercept]	1.00	1.02
r_set:arm[SH3_D,Intercept]	1.00	1.02
r_set:arm[SH1_A,year]	1.00	1.00
r_set:arm[SH1_B,year]	1.00	1.00
r_set:arm[SH1_C,year]	1.00	1.00
r_set:arm[SH1_D,year]	1.00	1.00
r_set:arm[SH2_A,year]	1.00	1.00
r_set:arm[SH2_B,year]	1.00	1.00
r_set:arm[SH2_C,year]	1.00	1.00
r_set:arm[SH2_D,year]	1.00	1.01
r_set:arm[SH3_A,year]	1.00	1.01
r_set:arm[SH3_B,year]	1.00	1.01
r_set:arm[SH3_C,year]	1.00	1.01
r_set:arm[SH3_D,year]	1.00	1.01
lp___	1.00	1.00

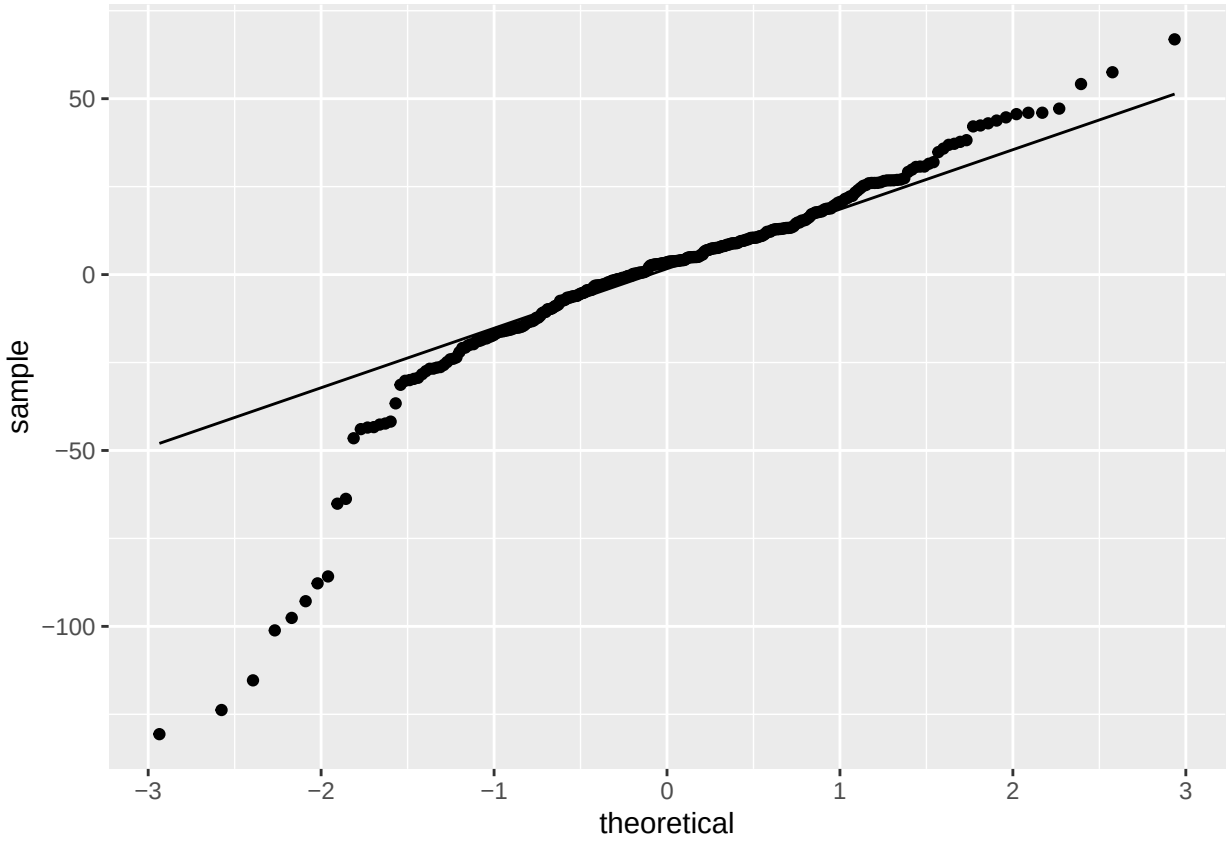
Number of divergences: 3

GWMP: DykeMarshCreek






50
0
−50
−100
−150
residual
0
100
200
300
observation id

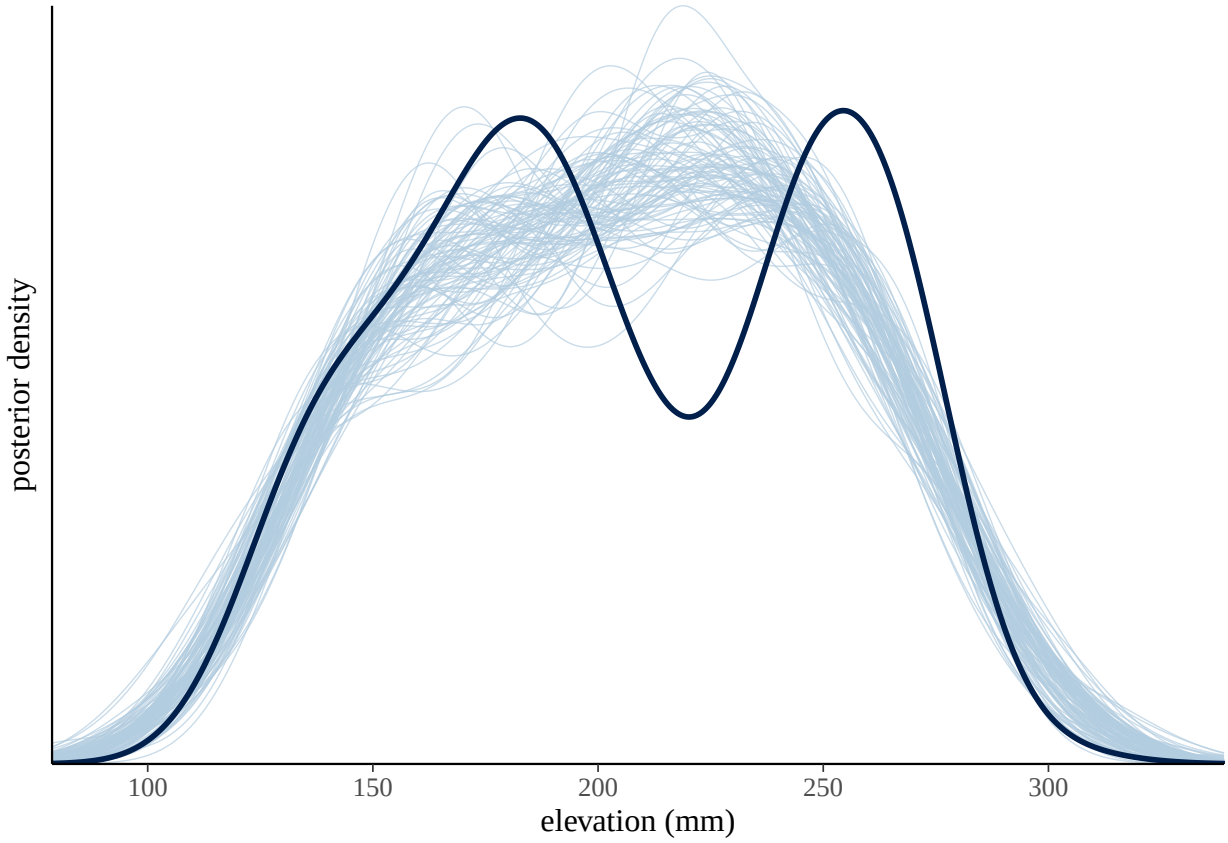


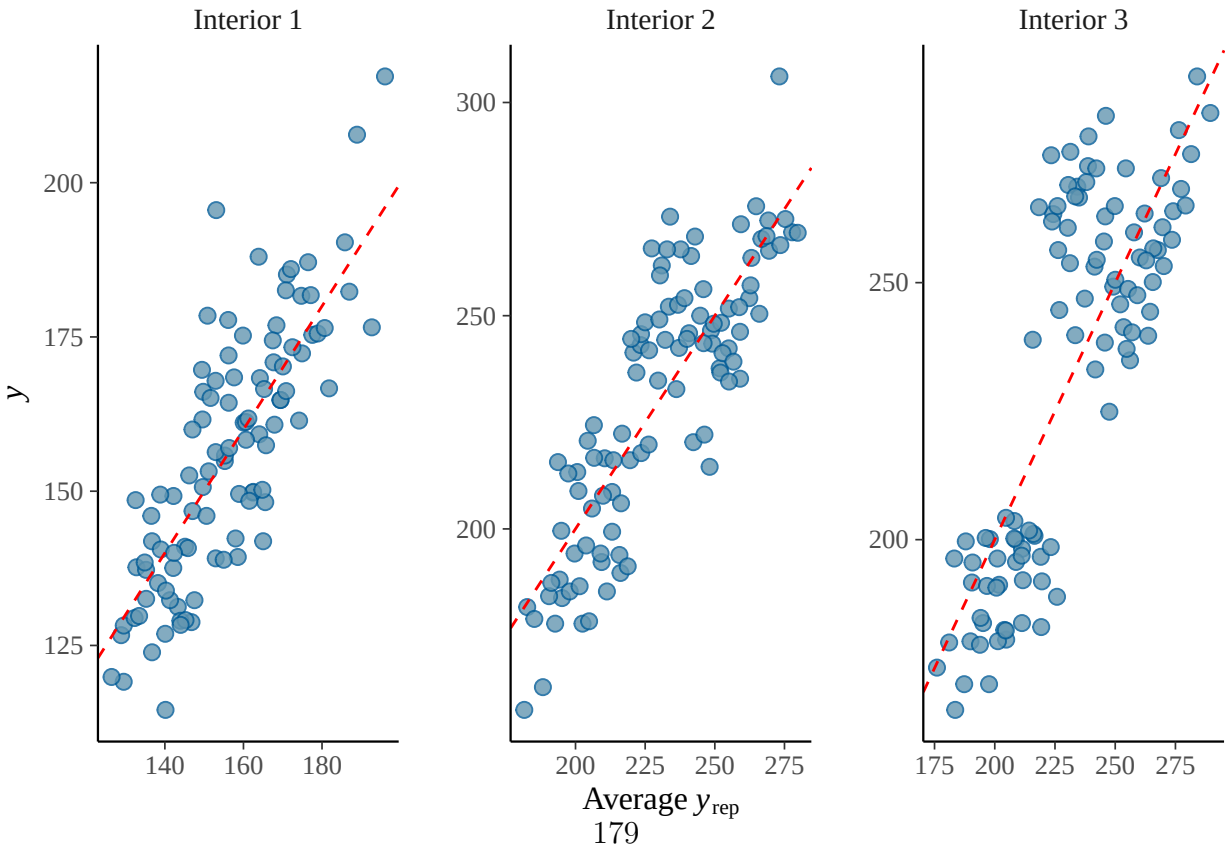
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.03	1.03
sd_set__year	1.03	1.04
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.01	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Creek.Bank.1,Intercept]	1.00	1.01
r_set[Creek.Bank.2,Intercept]	1.00	1.01
r_set[Creek.Bank.3,Intercept]	1.00	1.01
r_set[Creek.Bank.1,year]	1.00	1.00
r_set[Creek.Bank.2,year]	1.00	1.00
r_set[Creek.Bank.3,year]	1.00	1.00
r_set:arm[Creek.Bank.1_A,Intercept]	1.01	1.01
r_set:arm[Creek.Bank.1_B,Intercept]	1.00	1.00
r_set:arm[Creek.Bank.1_C,Intercept]	1.01	1.01
r_set:arm[Creek.Bank.1_D,Intercept]	1.00	1.00
r_set:arm[Creek.Bank.2_A,Intercept]	1.00	1.00

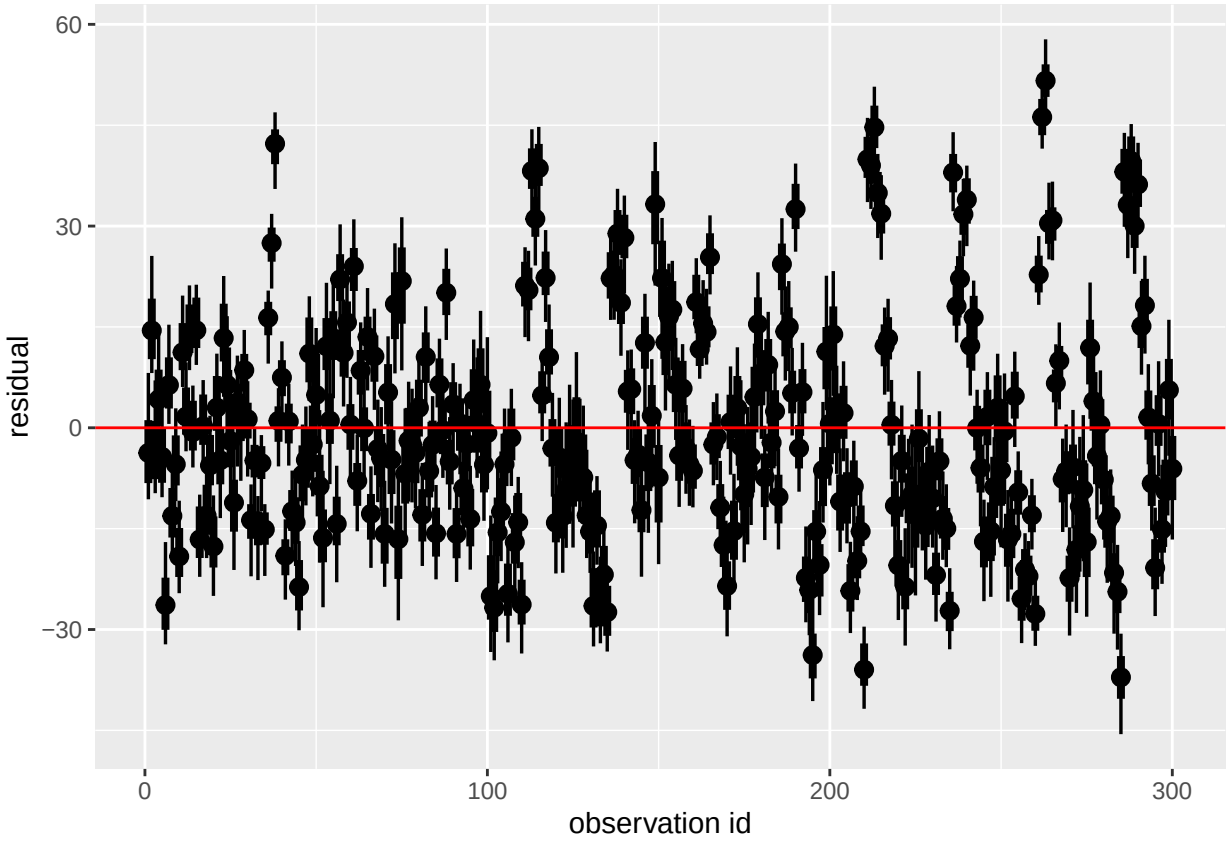
	Point est.	Upper C.I.
r_set:arm[Creek.Bank.2_B,Intercept]	1.01	1.01
r_set:arm[Creek.Bank.2_C,Intercept]	1.01	1.01
r_set:arm[Creek.Bank.2_D,Intercept]	1.00	1.00
r_set:arm[Creek.Bank.3_A,Intercept]	1.00	1.00
r_set:arm[Creek.Bank.3_B,Intercept]	1.00	1.00
r_set:arm[Creek.Bank.3_C,Intercept]	1.00	1.01
r_set:arm[Creek.Bank.3_D,Intercept]	1.00	1.00
r_set:arm[Creek.Bank.1_A,year]	1.00	1.00
r_set:arm[Creek.Bank.1_B,year]	1.00	1.01
r_set:arm[Creek.Bank.1_C,year]	1.00	1.00
r_set:arm[Creek.Bank.1_D,year]	1.00	1.00
r_set:arm[Creek.Bank.2_A,year]	1.00	1.00
r_set:arm[Creek.Bank.2_B,year]	1.00	1.00
r_set:arm[Creek.Bank.2_C,year]	1.00	1.01
r_set:arm[Creek.Bank.2_D,year]	1.00	1.00
r_set:arm[Creek.Bank.3_A,year]	1.00	1.00
r_set:arm[Creek.Bank.3_B,year]	1.00	1.01
r_set:arm[Creek.Bank.3_C,year]	1.00	1.00
r_set:arm[Creek.Bank.3_D,year]	1.00	1.01
lp___	1.00	1.01

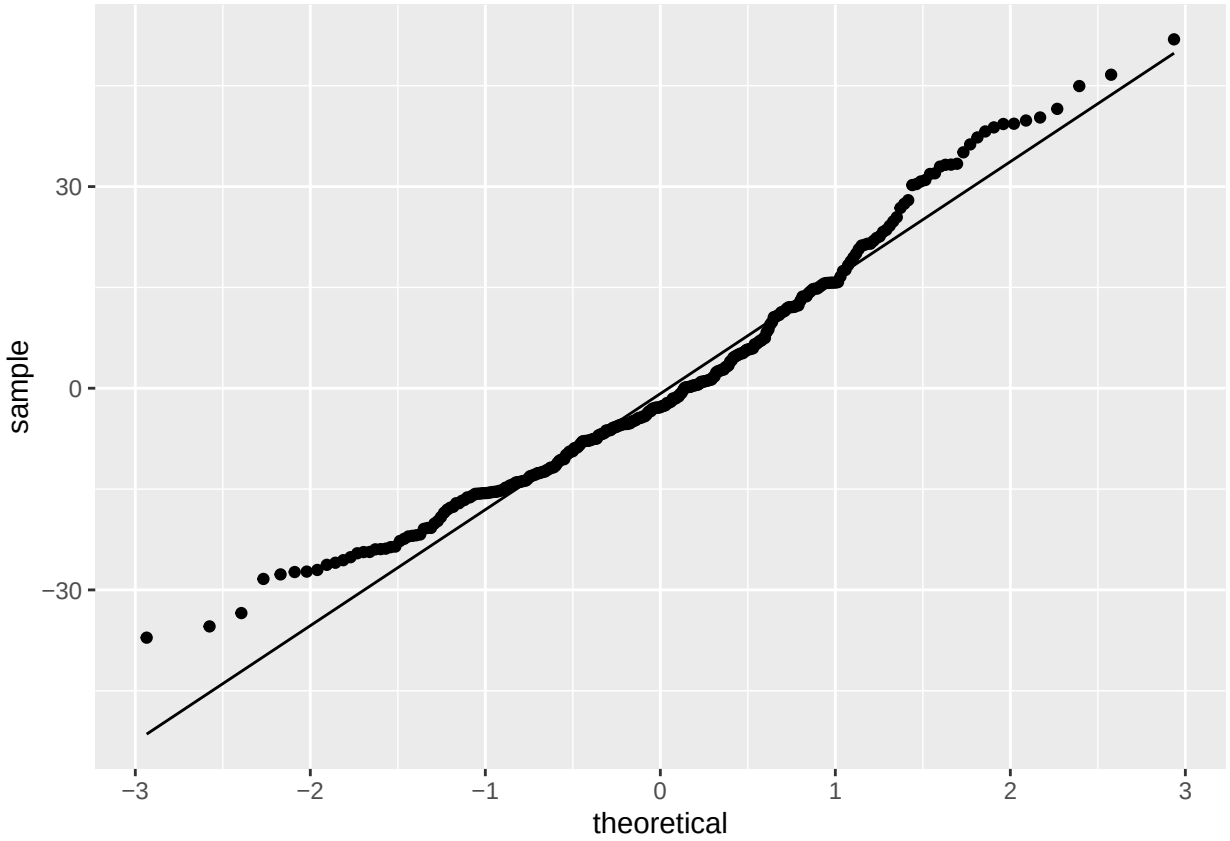
Number of divergences: 0

GWMP: DykeMarshInterior






60
30
0
−30
residual
0
100
200
300
observation id

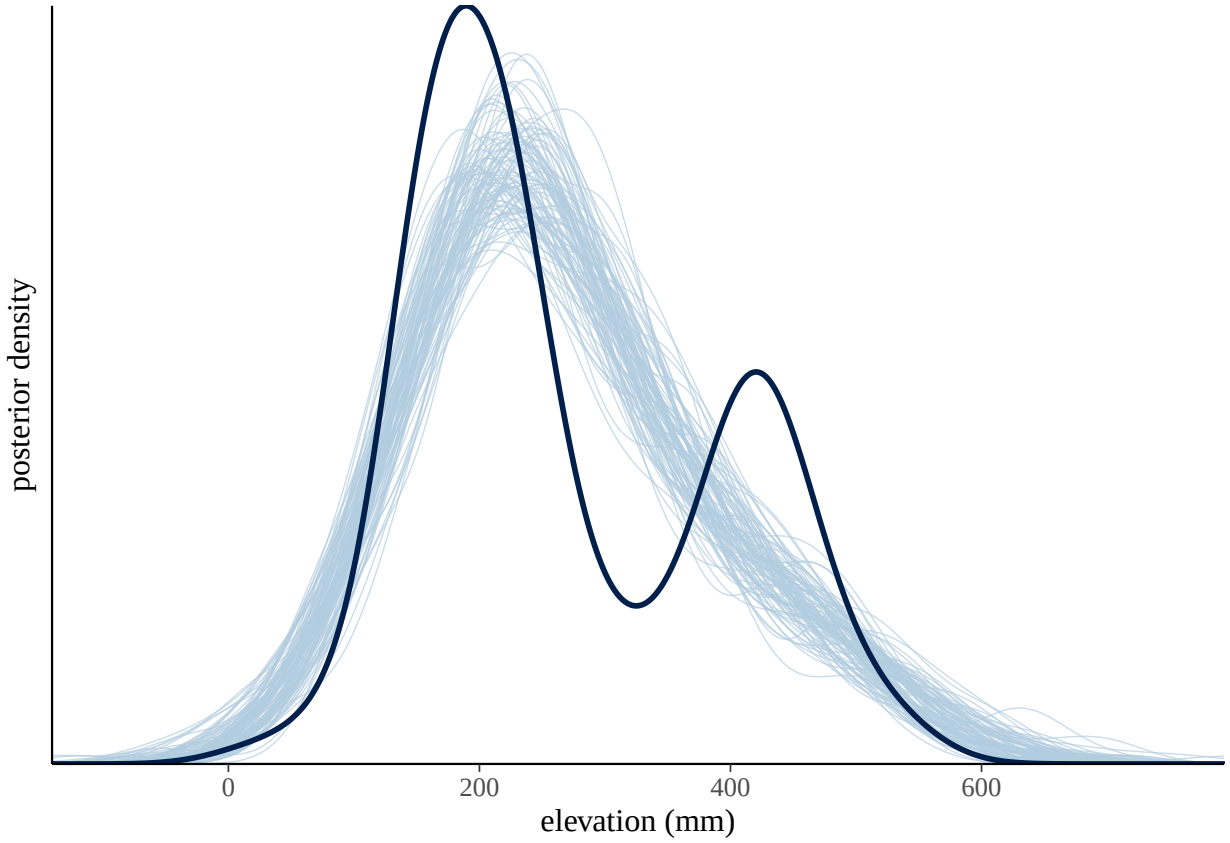


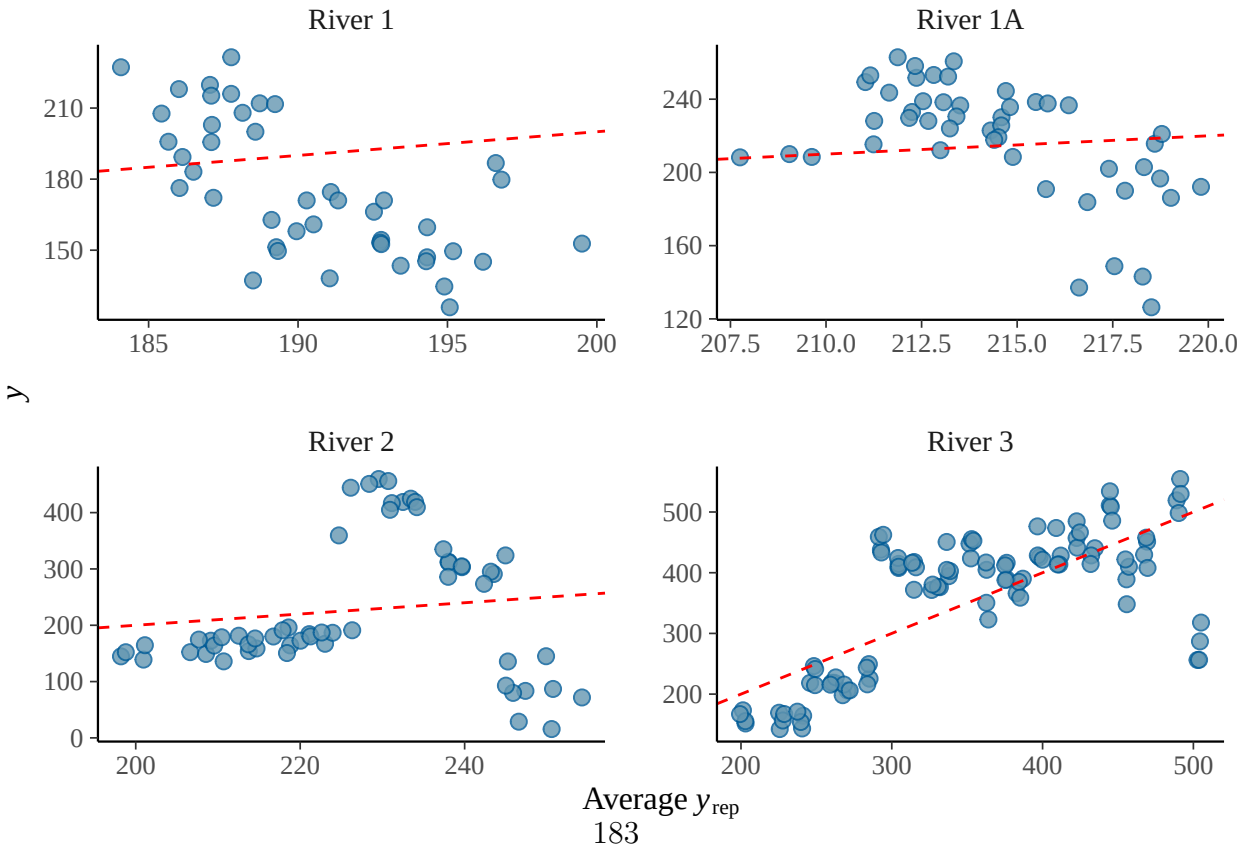
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.00	1.01
sd_set__year	1.00	1.01
sd_set:arm__Intercept	1.00	1.01
sd_set:arm__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Interior.1,Intercept]	1.00	1.01
r_set[Interior.2,Intercept]	1.00	1.01
r_set[Interior.3,Intercept]	1.00	1.00
r_set[Interior.1,year]	1.00	1.01
r_set[Interior.2,year]	1.00	1.00
r_set[Interior.3,year]	1.00	1.01
r_set:arm[Interior.1_A,Intercept]	1.00	1.00
r_set:arm[Interior.1_B,Intercept]	1.00	1.00
r_set:arm[Interior.1_C,Intercept]	1.00	1.01
r_set:arm[Interior.1_D,Intercept]	1.00	1.00
r_set:arm[Interior.2_A,Intercept]	1.00	1.00

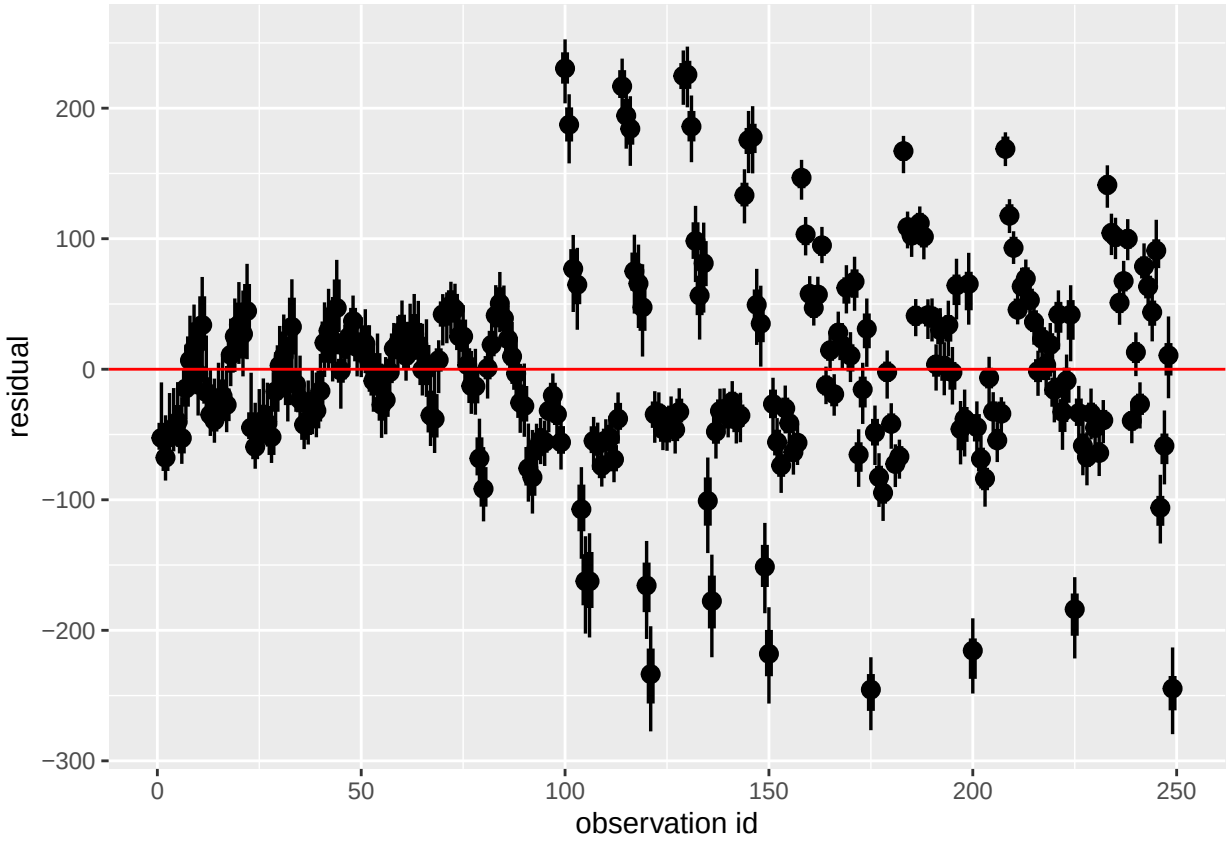
	Point est.	Upper C.I.
r_set:arm[Interior.2_B,Intercept]	1.00	1.00
r_set:arm[Interior.2_C,Intercept]	1.00	1.00
r_set:arm[Interior.2_D,Intercept]	1.00	1.00
r_set:arm[Interior.3_A,Intercept]	1.00	1.00
r_set:arm[Interior.3_B,Intercept]	1.00	1.00
r_set:arm[Interior.3_C,Intercept]	1.00	1.00
r_set:arm[Interior.3_D,Intercept]	1.00	1.00
r_set:arm[Interior.1_A,year]	1.00	1.00
r_set:arm[Interior.1_B,year]	1.00	1.00
r_set:arm[Interior.1_C,year]	1.00	1.01
r_set:arm[Interior.1_D,year]	1.01	1.01
r_set:arm[Interior.2_A,year]	1.00	1.00
r_set:arm[Interior.2_B,year]	1.00	1.00
r_set:arm[Interior.2_C,year]	1.00	1.00
r_set:arm[Interior.2_D,year]	1.00	1.00
r_set:arm[Interior.3_A,year]	1.00	1.00
r_set:arm[Interior.3_B,year]	1.00	1.00
r_set:arm[Interior.3_C,year]	1.00	1.01
r_set:arm[Interior.3_D,year]	1.00	1.00
lp___	1.00	1.01

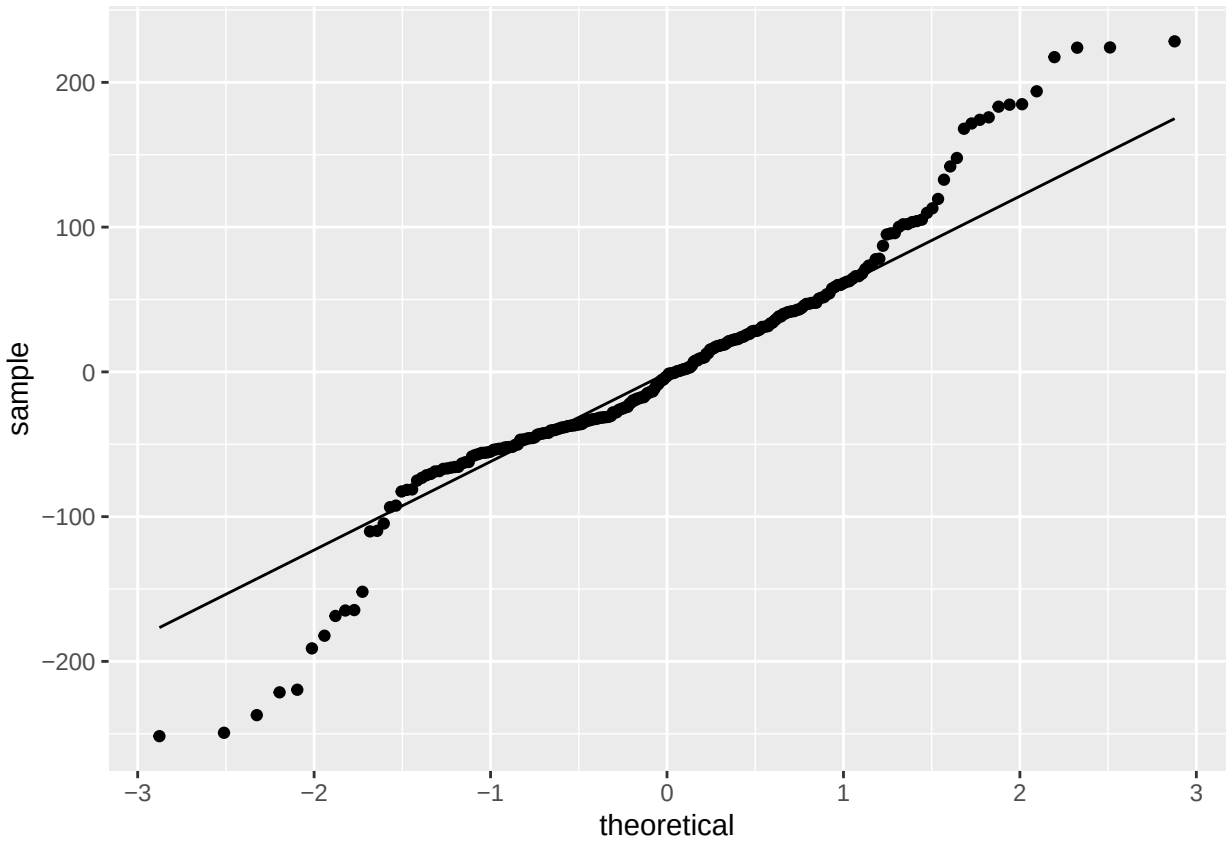
Number of divergences: 0

GWMP: DykeMarshRiver






residual
200
100
0
−100
−200
−300
0
50
100
150
200
250
observation id

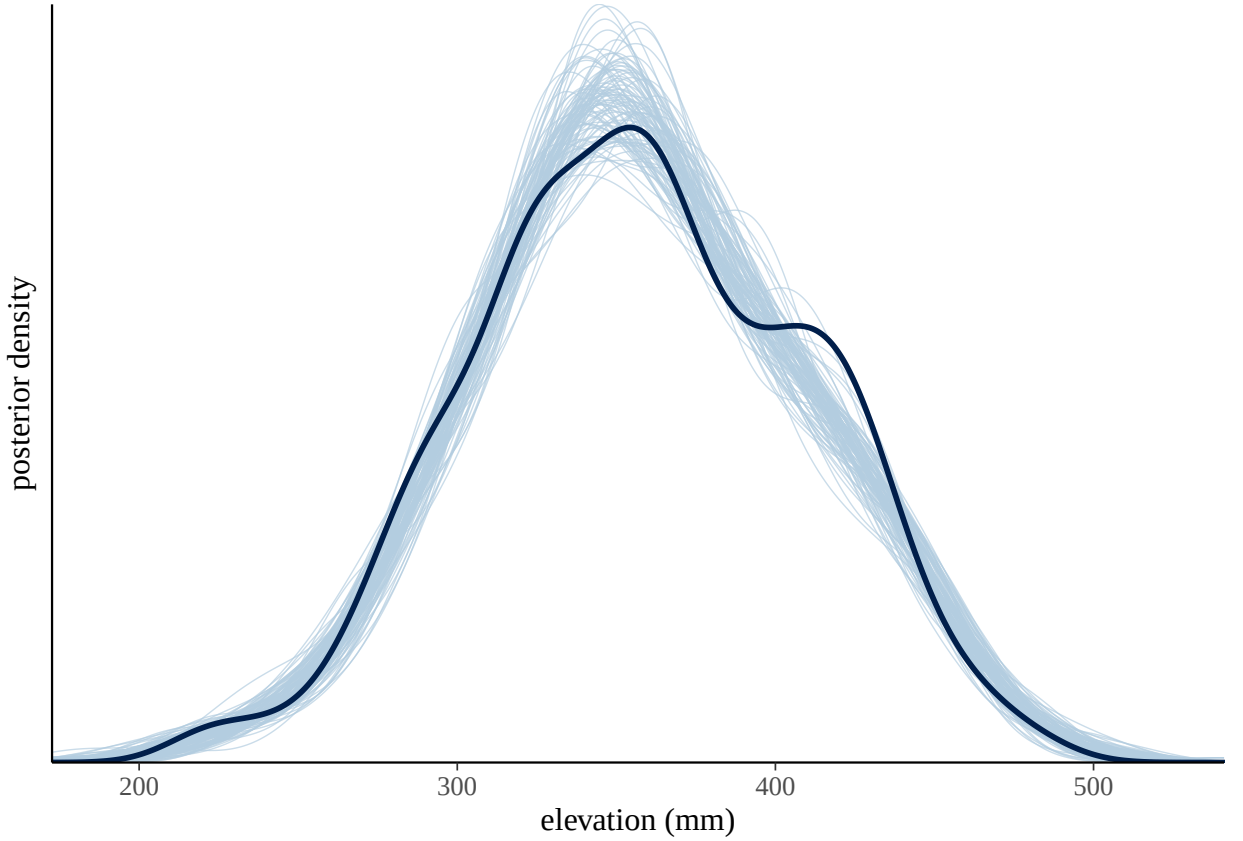


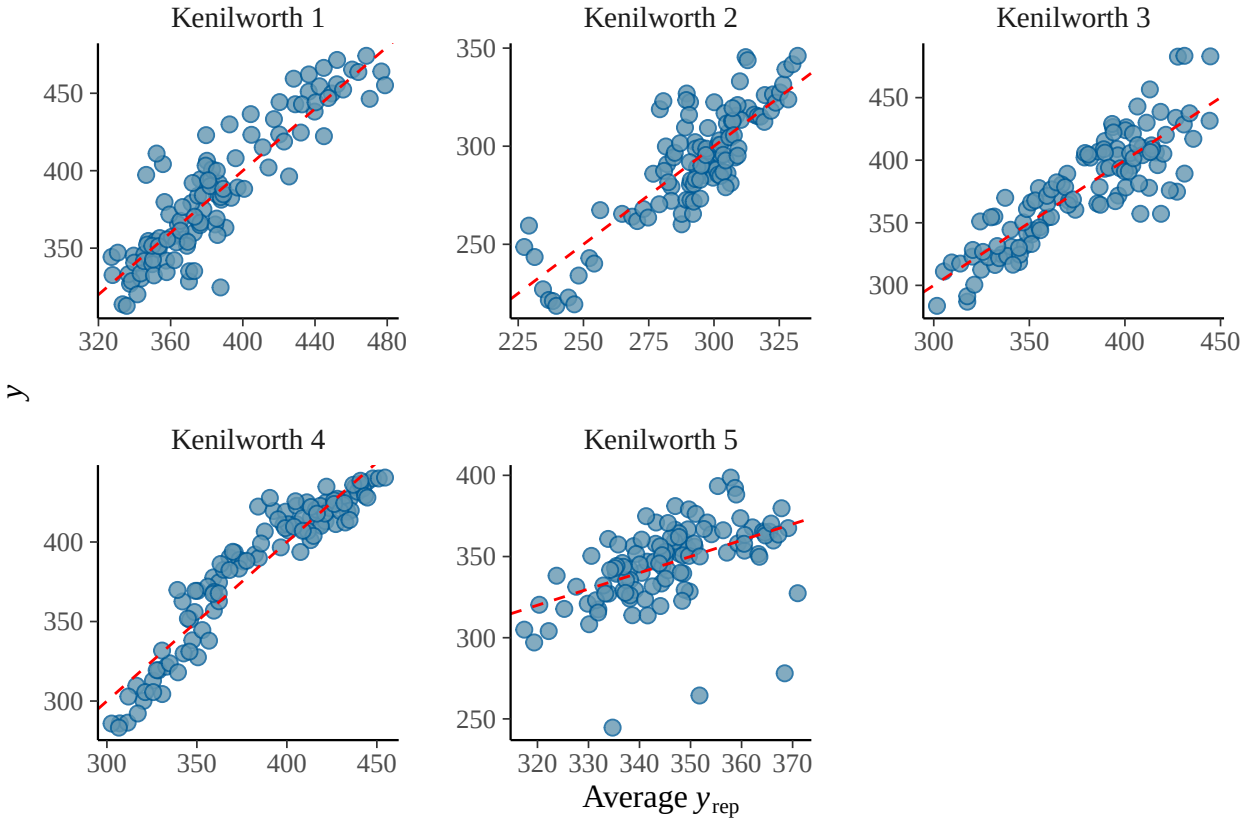
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set___Intercept	1.04	1.06
sd_set___year	1.01	1.01
sd_set:arm___Intercept	1.02	1.03
sd_set:arm___year	1.00	1.00
cor_set___Intercept___year	1.01	1.05
cor_set:arm___Intercept___year	1.00	1.00
sigma	1.00	1.00
r_set[River.1,Intercept]	1.02	1.03
r_set[River.1A,Intercept]	1.04	1.05
r_set[River.2,Intercept]	1.02	1.03
r_set[River.3,Intercept]	1.02	1.03
r_set[River.1,year]	1.00	1.00
r_set[River.1A,year]	1.00	1.01
r_set[River.2,year]	1.00	1.00
r_set[River.3,year]	1.00	1.01
r_set:arm[River.1_A,Intercept]	1.02	1.03
r_set:arm[River.1_B,Intercept]	1.01	1.01
r_set:arm[River.1_C,Intercept]	1.04	1.04

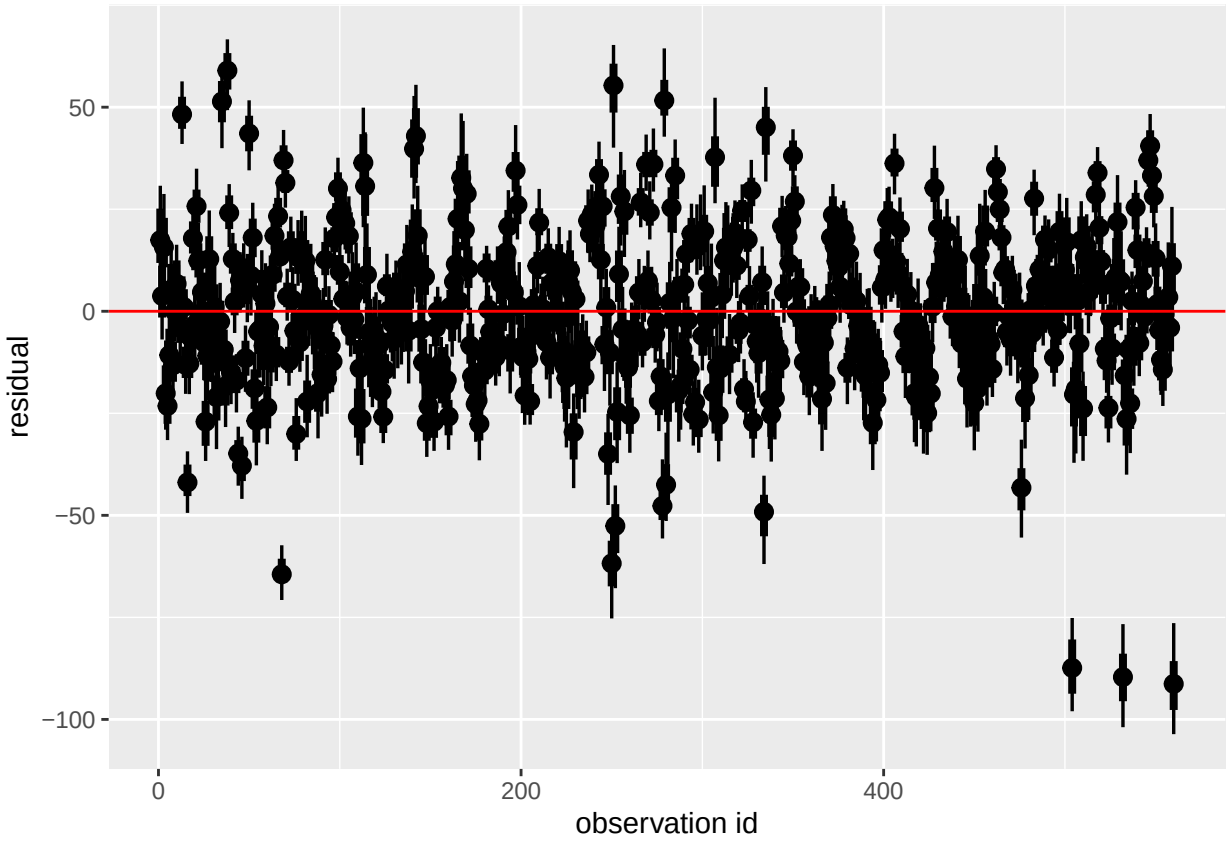
	Point est.	Upper C.I.
r_set:arm[River.1_D,Intercept]	1.00	1.01
r_set:arm[River.1A_A,Intercept]	1.01	1.01
r_set:arm[River.1A_B,Intercept]	1.03	1.03
r_set:arm[River.1A_C,Intercept]	1.01	1.02
r_set:arm[River.1A_D,Intercept]	1.05	1.05
r_set:arm[River.2_A,Intercept]	1.01	1.01
r_set:arm[River.2_B,Intercept]	1.02	1.02
r_set:arm[River.2_C,Intercept]	1.01	1.01
r_set:arm[River.2_D,Intercept]	1.03	1.03
r_set:arm[River.3_A,Intercept]	1.01	1.02
r_set:arm[River.3_B,Intercept]	1.01	1.01
r_set:arm[River.3_C,Intercept]	1.00	1.00
r_set:arm[River.3_D,Intercept]	1.02	1.02
r_set:arm[River.1_A,year]	1.00	1.00
r_set:arm[River.1_B,year]	1.01	1.01
r_set:arm[River.1_C,year]	1.00	1.01
r_set:arm[River.1_D,year]	1.00	1.00
r_set:arm[River.1A_A,year]	1.01	1.01
r_set:arm[River.1A_B,year]	1.00	1.00
r_set:arm[River.1A_C,year]	1.00	1.00
r_set:arm[River.1A_D,year]	1.00	1.00
r_set:arm[River.2_A,year]	1.00	1.01
r_set:arm[River.2_B,year]	1.00	1.00
r_set:arm[River.2_C,year]	1.00	1.01
r_set:arm[River.2_D,year]	1.00	1.00
r_set:arm[River.3_A,year]	1.00	1.00
r_set:arm[River.3_B,year]	1.00	1.00
r_set:arm[River.3_C,year]	1.00	1.00
r_set:arm[River.3_D,year]	1.00	1.00
lp__	1.00	1.00

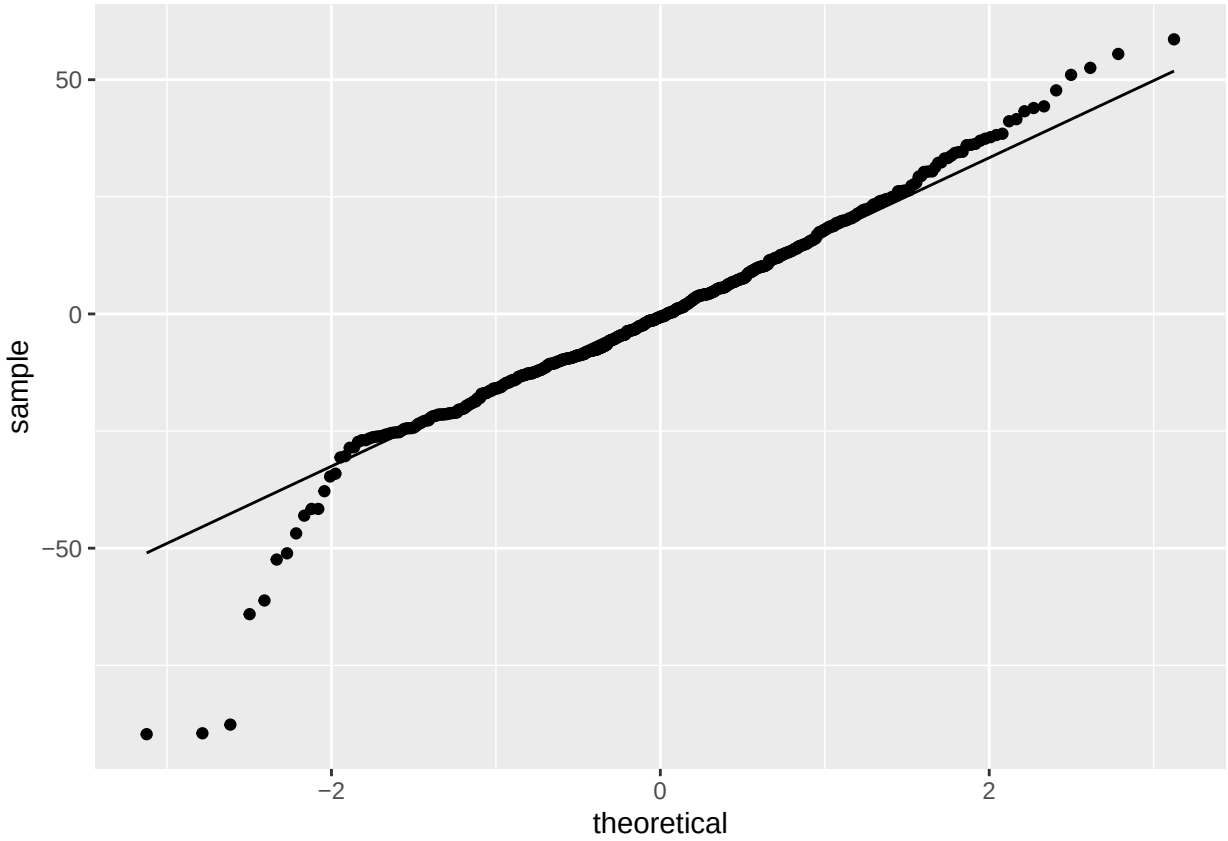
Number of divergences: 0

NACE: KenilworthMarsh






50
0
−50
−100
residual
0
200
400
observation id

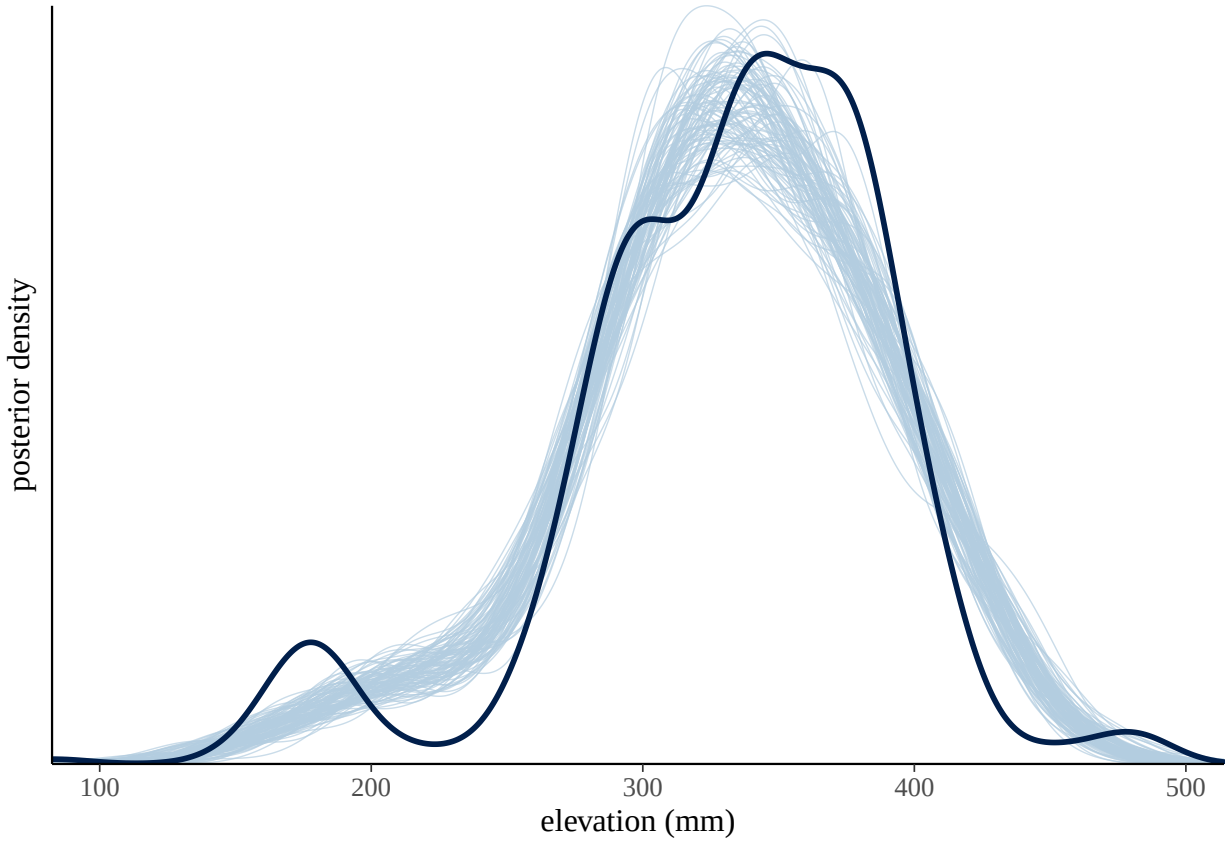


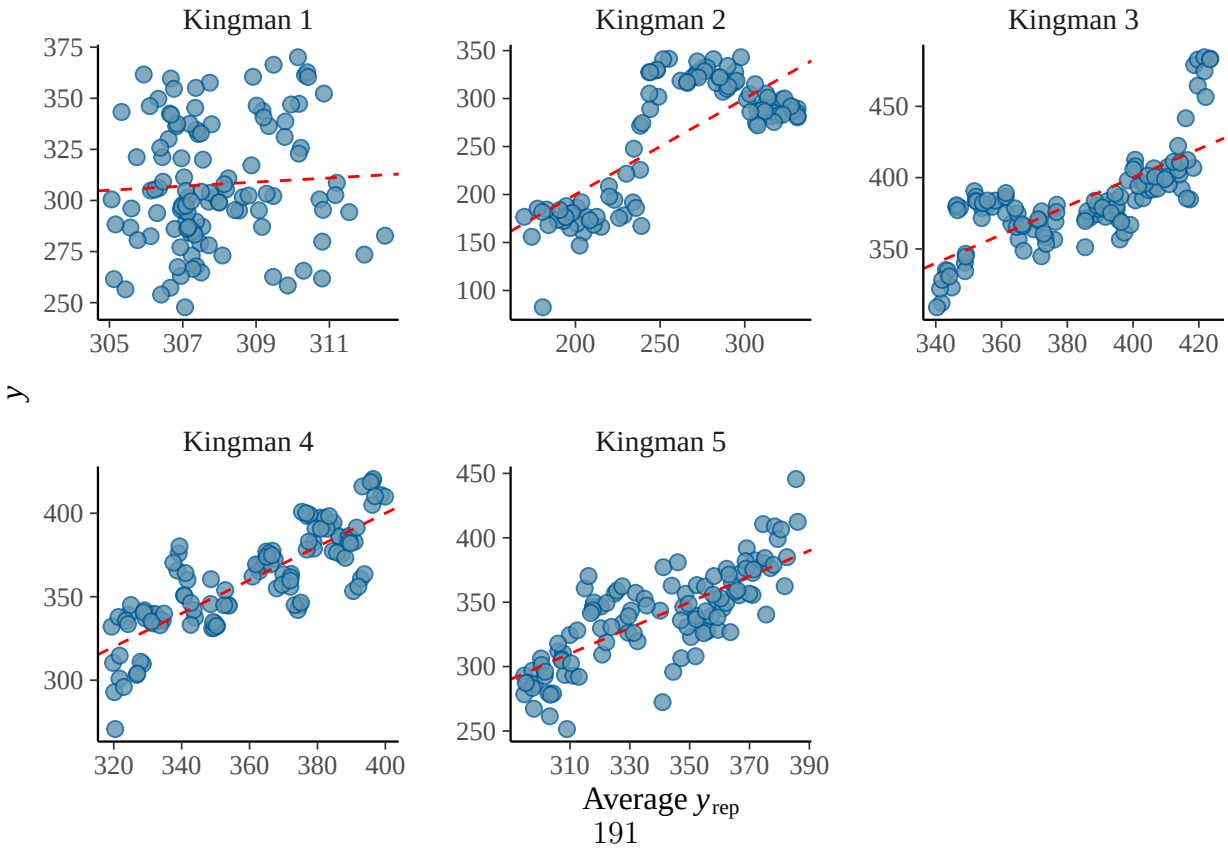
	Point est.	Upper C.I.
b_Intercept	1	1.00
b_year	1	1.00
sd_set__Intercept	1	1.01
sd_set__year	1	1.00
sd_set:arm__Intercept	1	1.01
sd_set:arm__year	1	1.01
cor_set__Intercept__year	1	1.00
cor_set:arm__Intercept__year	1	1.01
sigma	1	1.00
r_set[Kenilworth.1,Intercept]	1	1.01
r_set[Kenilworth.2,Intercept]	1	1.01
r_set[Kenilworth.3,Intercept]	1	1.01
r_set[Kenilworth.4,Intercept]	1	1.01
r_set[Kenilworth.5,Intercept]	1	1.01
r_set[Kenilworth.1,year]	1	1.00
r_set[Kenilworth.2,year]	1	1.00
r_set[Kenilworth.3,year]	1	1.00
r_set[Kenilworth.4,year]	1	1.00
r_set[Kenilworth.5,year]	1	1.01
r_set:arm[Kenilworth.1_A,Intercept]	1	1.01

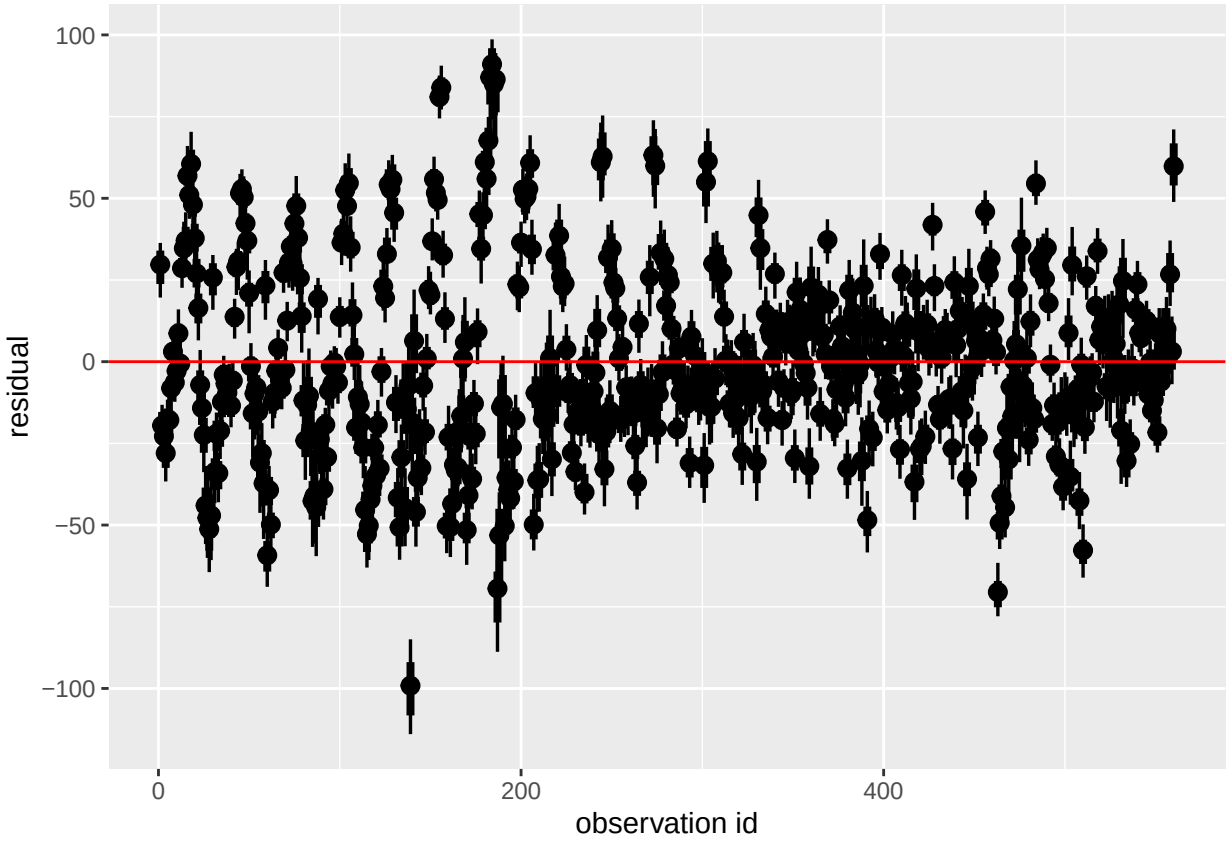
	Point est.	Upper C.I.
r_set:arm[Kenilworth.1_B,Intercept]	1	1.01
r_set:arm[Kenilworth.1_C,Intercept]	1	1.01
r_set:arm[Kenilworth.1_D,Intercept]	1	1.00
r_set:arm[Kenilworth.2_A,Intercept]	1	1.02
r_set:arm[Kenilworth.2_B,Intercept]	1	1.01
r_set:arm[Kenilworth.2_C,Intercept]	1	1.02
r_set:arm[Kenilworth.2_D,Intercept]	1	1.01
r_set:arm[Kenilworth.3_A,Intercept]	1	1.00
r_set:arm[Kenilworth.3_B,Intercept]	1	1.00
r_set:arm[Kenilworth.3_C,Intercept]	1	1.00
r_set:arm[Kenilworth.3_D,Intercept]	1	1.00
r_set:arm[Kenilworth.4_A,Intercept]	1	1.00
r_set:arm[Kenilworth.4_B,Intercept]	1	1.00
r_set:arm[Kenilworth.4_C,Intercept]	1	1.00
r_set:arm[Kenilworth.4_D,Intercept]	1	1.00
r_set:arm[Kenilworth.5_A,Intercept]	1	1.01
r_set:arm[Kenilworth.5_B,Intercept]	1	1.01
r_set:arm[Kenilworth.5_C,Intercept]	1	1.01
r_set:arm[Kenilworth.5_D,Intercept]	1	1.01
r_set:arm[Kenilworth.1_A,year]	1	1.00
r_set:arm[Kenilworth.1_B,year]	1	1.00
r_set:arm[Kenilworth.1_C,year]	1	1.00
r_set:arm[Kenilworth.1_D,year]	1	1.00
r_set:arm[Kenilworth.2_A,year]	1	1.01
r_set:arm[Kenilworth.2_B,year]	1	1.01
r_set:arm[Kenilworth.2_C,year]	1	1.00
r_set:arm[Kenilworth.2_D,year]	1	1.01
r_set:arm[Kenilworth.3_A,year]	1	1.00
r_set:arm[Kenilworth.3_B,year]	1	1.00
r_set:arm[Kenilworth.3_C,year]	1	1.00
r_set:arm[Kenilworth.3_D,year]	1	1.00
r_set:arm[Kenilworth.4_A,year]	1	1.01
r_set:arm[Kenilworth.4_B,year]	1	1.00
r_set:arm[Kenilworth.4_C,year]	1	1.00
r_set:arm[Kenilworth.4_D,year]	1	1.00
r_set:arm[Kenilworth.5_A,year]	1	1.01
r_set:arm[Kenilworth.5_B,year]	1	1.00
r_set:arm[Kenilworth.5_C,year]	1	1.00
r_set:arm[Kenilworth.5_D,year]	1	1.01
lp___	1	1.00

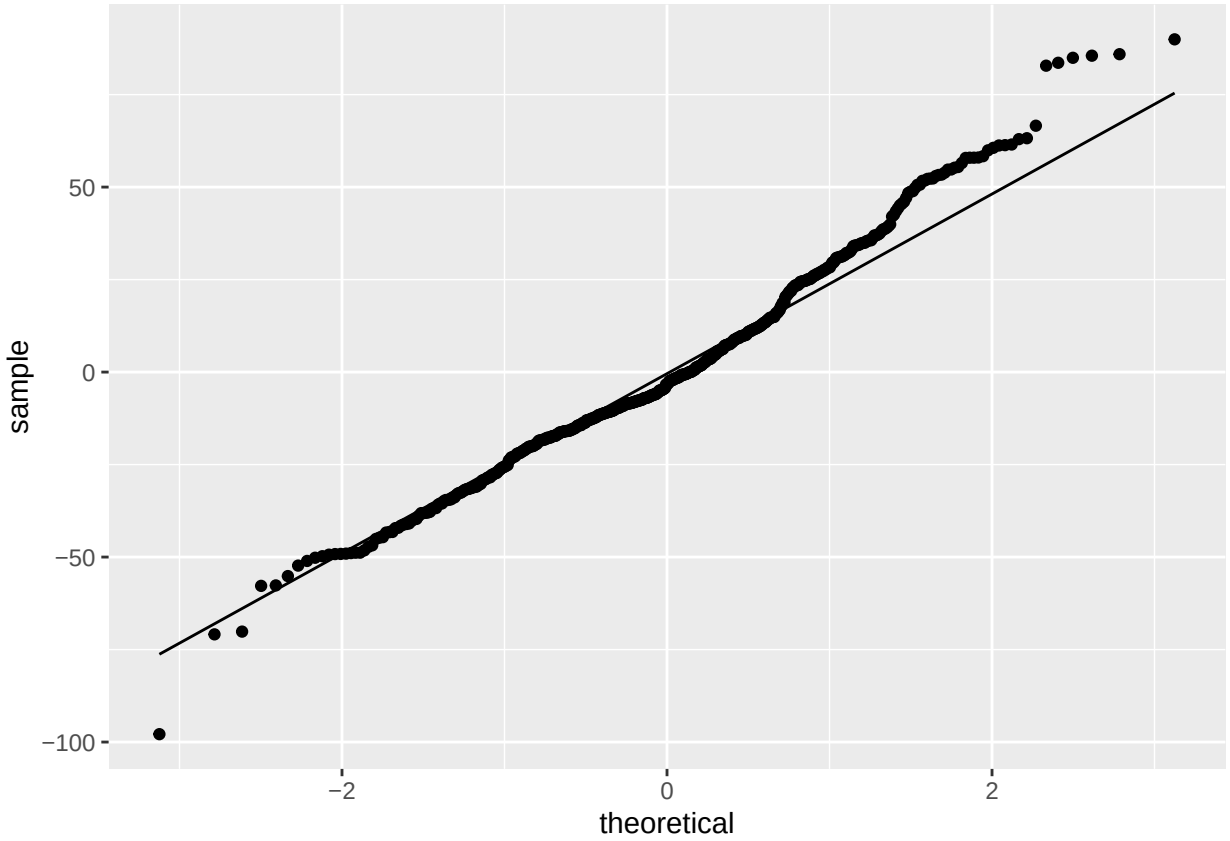
Number of divergences: 0

NACE: KingmanLake






100
50
0
−50
−100
residual
0
200
400
observation id



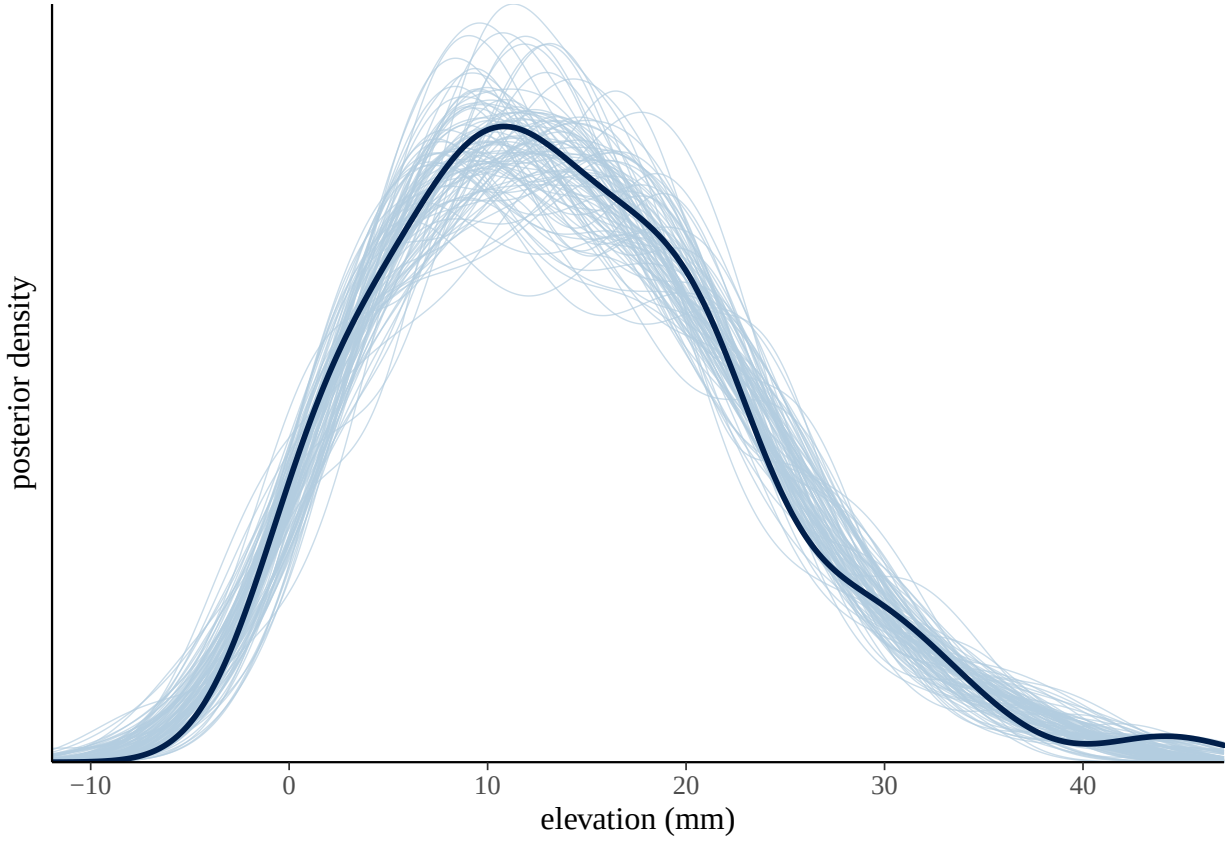
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.00	1.00
sd_set__year	1.00	1.01
sd_set:arm__Intercept	1.00	1.00
sd_set:arm__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:arm__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[Kingman.1,Intercept]	1.00	1.01
r_set[Kingman.2,Intercept]	1.00	1.00
r_set[Kingman.3,Intercept]	1.00	1.00
r_set[Kingman.4,Intercept]	1.00	1.00
r_set[Kingman.5,Intercept]	1.00	1.00
r_set[Kingman.1,year]	1.00	1.01
r_set[Kingman.2,year]	1.00	1.01
r_set[Kingman.3,year]	1.00	1.01
r_set[Kingman.4,year]	1.00	1.01
r_set[Kingman.5,year]	1.00	1.01
r_set:arm[Kingman.1_A,Intercept]	1.01	1.01

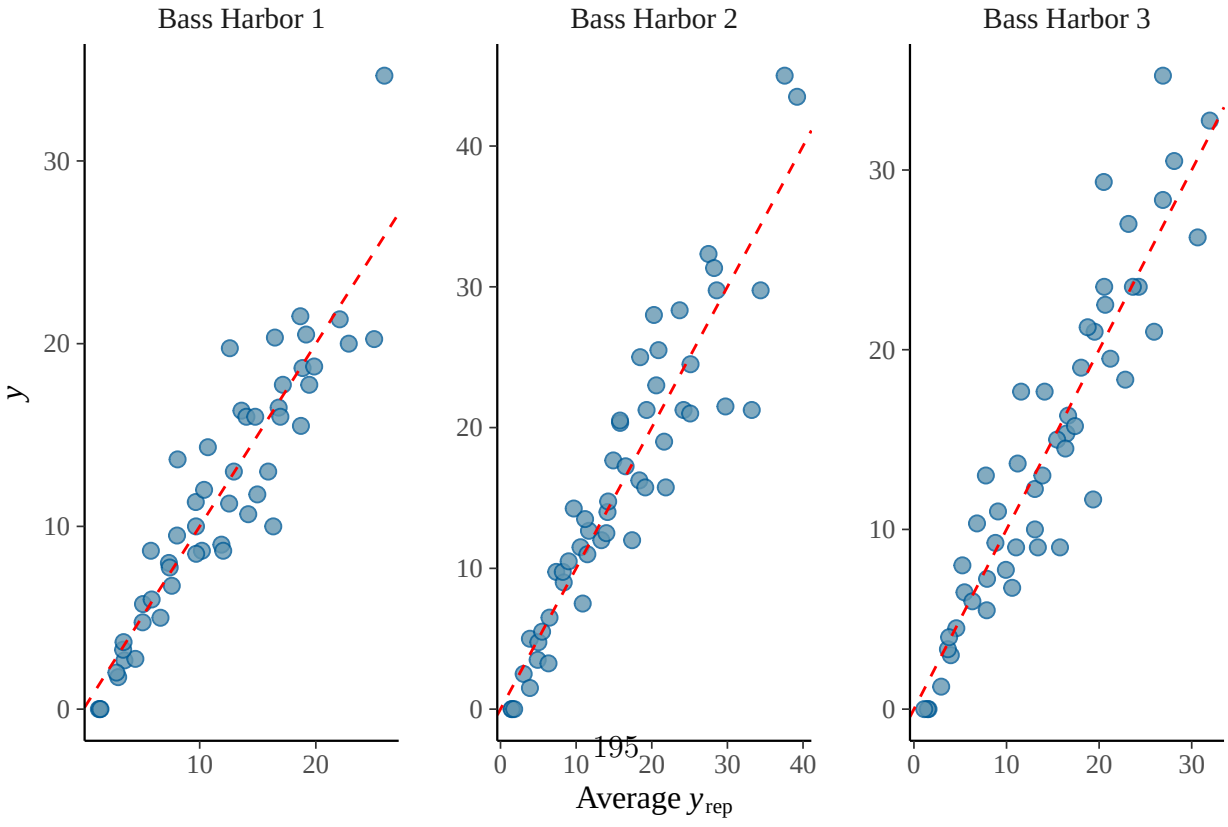
	Point est.	Upper C.I.
r_set:arm[Kingman.1_B,Intercept]	1.00	1.00
r_set:arm[Kingman.1_C,Intercept]	1.00	1.00
r_set:arm[Kingman.1_D,Intercept]	1.01	1.01
r_set:arm[Kingman.2_A,Intercept]	1.00	1.00
r_set:arm[Kingman.2_B,Intercept]	1.01	1.01
r_set:arm[Kingman.2_C,Intercept]	1.00	1.01
r_set:arm[Kingman.2_D,Intercept]	1.00	1.01
r_set:arm[Kingman.3_A,Intercept]	1.00	1.00
r_set:arm[Kingman.3_B,Intercept]	1.00	1.00
r_set:arm[Kingman.3_C,Intercept]	1.00	1.01
r_set:arm[Kingman.3_D,Intercept]	1.00	1.00
r_set:arm[Kingman.4_A,Intercept]	1.00	1.00
r_set:arm[Kingman.4_B,Intercept]	1.00	1.00
r_set:arm[Kingman.4_C,Intercept]	1.00	1.00
r_set:arm[Kingman.4_D,Intercept]	1.01	1.02
r_set:arm[Kingman.5_A,Intercept]	1.00	1.00
r_set:arm[Kingman.5_B,Intercept]	1.00	1.00
r_set:arm[Kingman.5_C,Intercept]	1.00	1.00
r_set:arm[Kingman.5_D,Intercept]	1.00	1.00
r_set:arm[Kingman.1_A,year]	1.00	1.00
r_set:arm[Kingman.1_B,year]	1.00	1.00
r_set:arm[Kingman.1_C,year]	1.00	1.00
r_set:arm[Kingman.1_D,year]	1.00	1.00
r_set:arm[Kingman.2_A,year]	1.00	1.00
r_set:arm[Kingman.2_B,year]	1.00	1.00
r_set:arm[Kingman.2_C,year]	1.00	1.00
r_set:arm[Kingman.2_D,year]	1.00	1.00
r_set:arm[Kingman.3_A,year]	1.00	1.00
r_set:arm[Kingman.3_B,year]	1.00	1.01
r_set:arm[Kingman.3_C,year]	1.00	1.00
r_set:arm[Kingman.3_D,year]	1.00	1.00
r_set:arm[Kingman.4_A,year]	1.00	1.00
r_set:arm[Kingman.4_B,year]	1.00	1.00
r_set:arm[Kingman.4_C,year]	1.00	1.00
r_set:arm[Kingman.4_D,year]	1.00	1.00
r_set:arm[Kingman.5_A,year]	1.00	1.01
r_set:arm[Kingman.5_B,year]	1.00	1.00
r_set:arm[Kingman.5_C,year]	1.00	1.00
r_set:arm[Kingman.5_D,year]	1.00	1.00
lp___	1.00	1.00

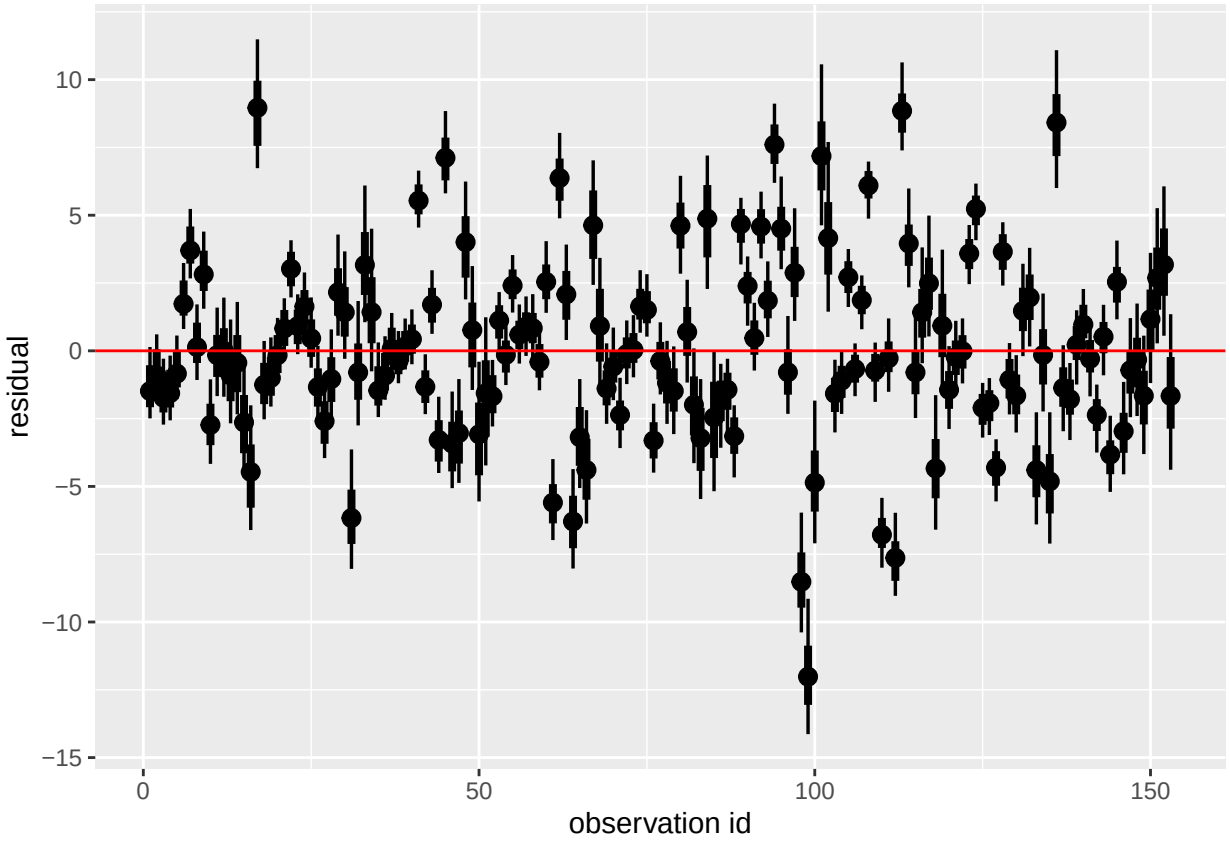
Number of divergences: 0

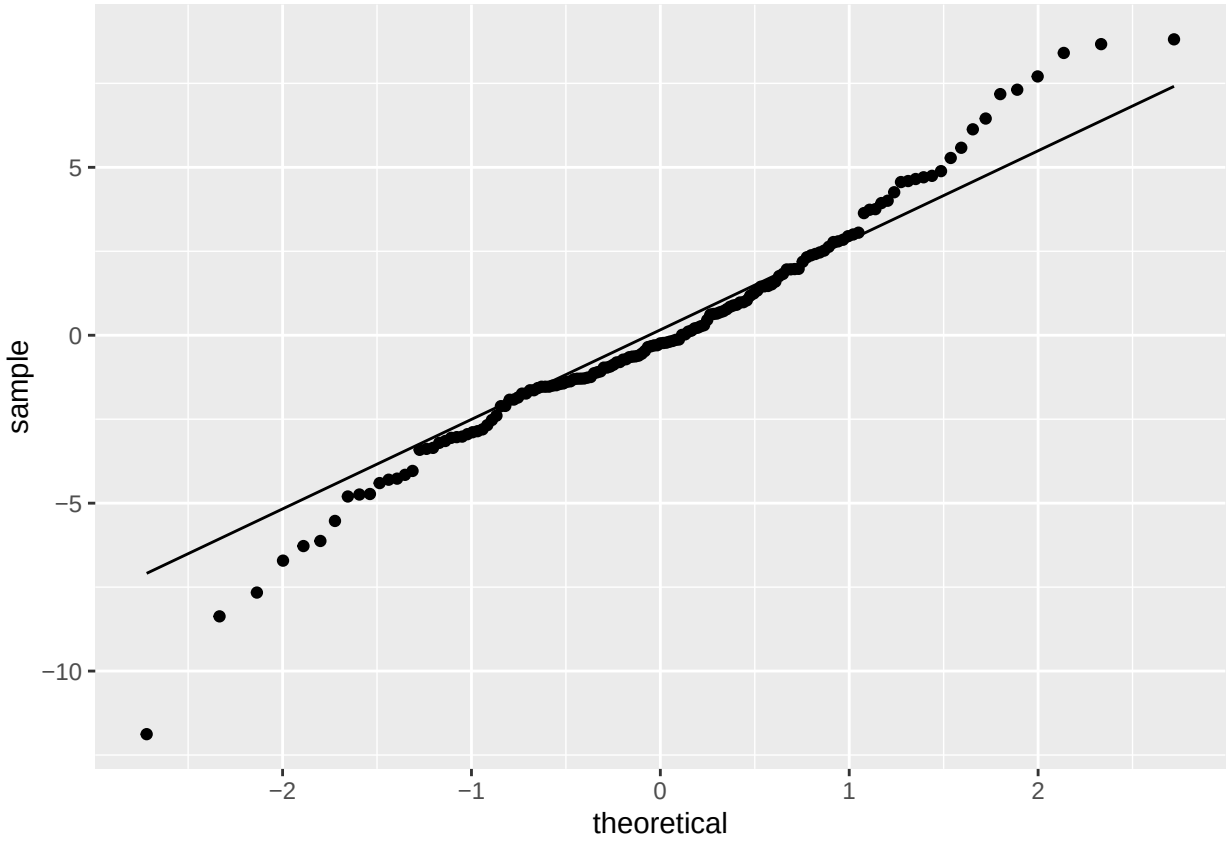
Posterior model checks for accretion models for all sites

ACAD: BassHarbor






10
5
0
−5
−10
−15
residual
0
50
100
150
observation id

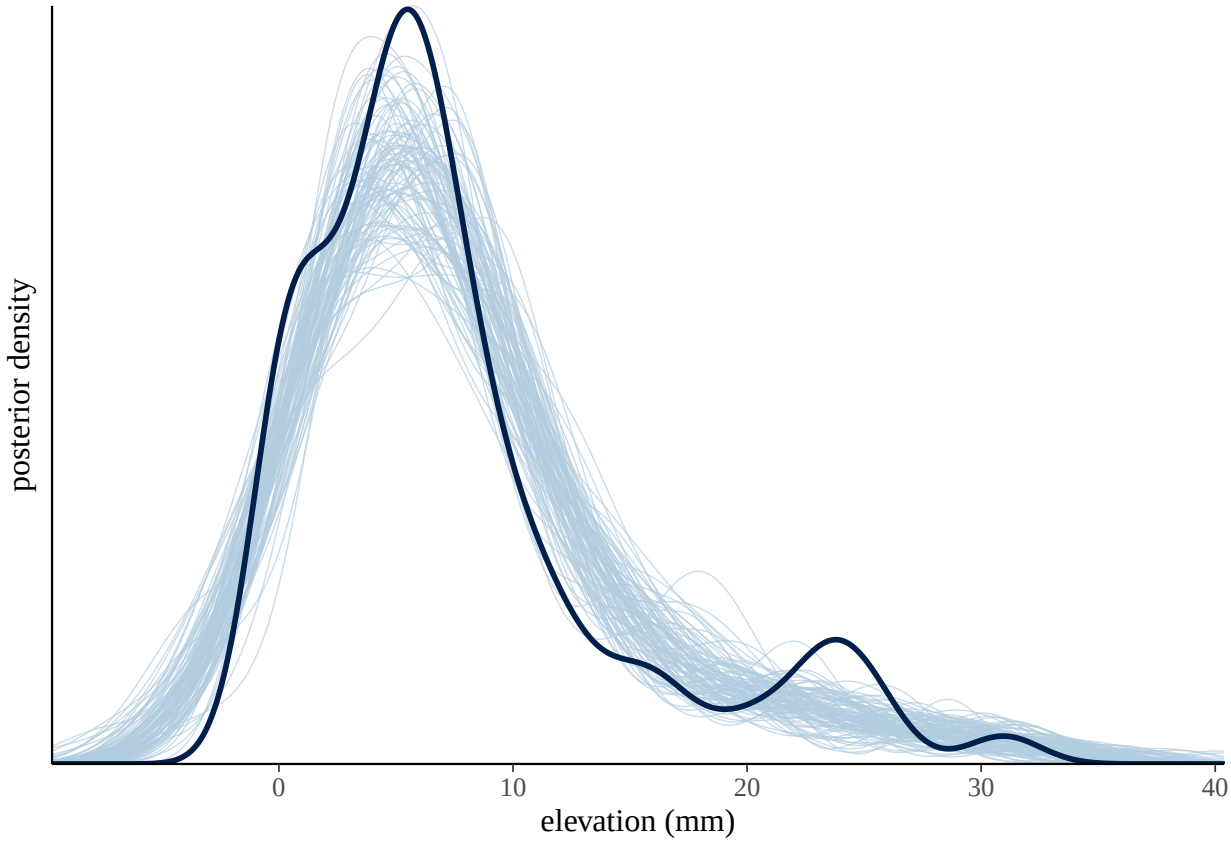


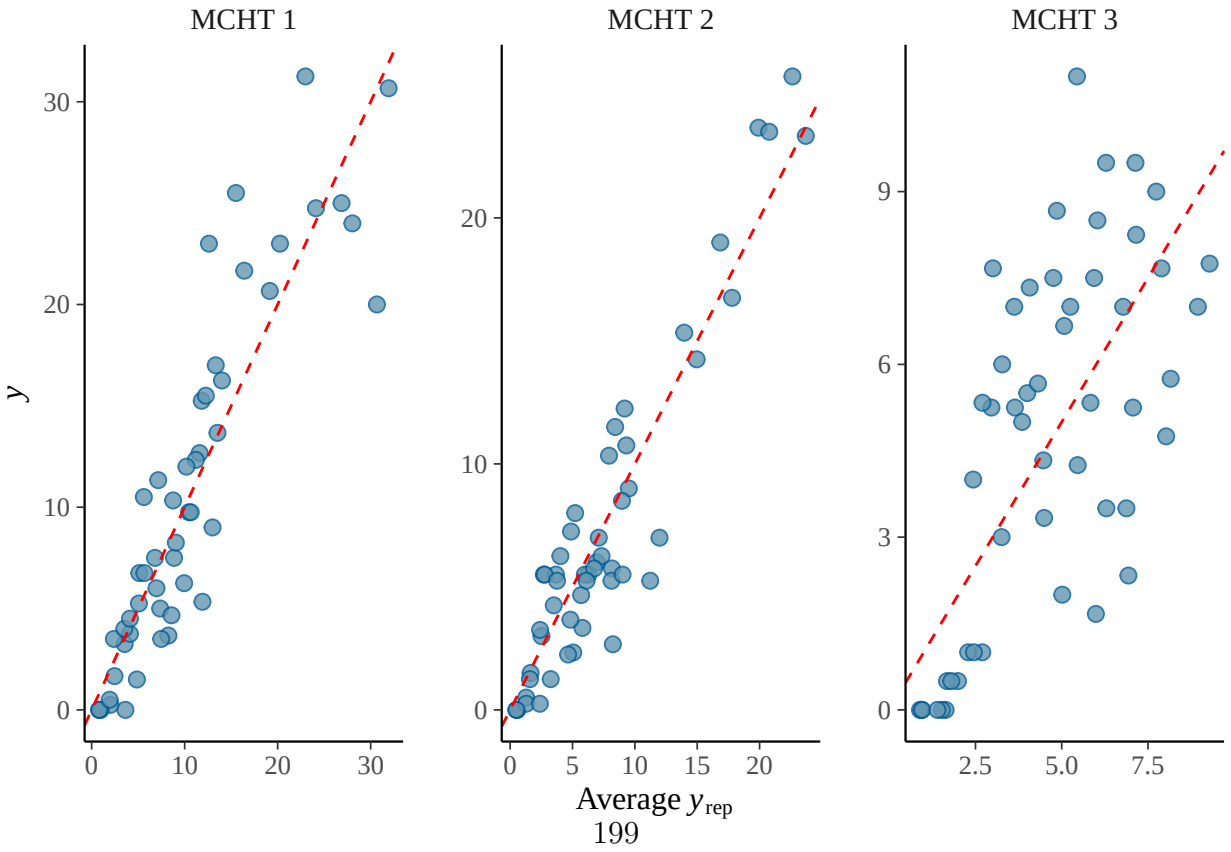
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.01	1.02
sd_set__Intercept	1.00	1.00
sd_set__year	1.01	1.01
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.01	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.01
r_set[Bass.Harbor.1,Intercept]	1.01	1.01
r_set[Bass.Harbor.2,Intercept]	1.00	1.00
r_set[Bass.Harbor.3,Intercept]	1.01	1.01
r_set[Bass.Harbor.1,year]	1.01	1.02
r_set[Bass.Harbor.2,year]	1.01	1.02
r_set[Bass.Harbor.3,year]	1.01	1.02
r_set:horizon[Bass.Harbor.1_A,Intercept]	1.00	1.00
r_set:horizon[Bass.Harbor.1_B,Intercept]	1.00	1.00
r_set:horizon[Bass.Harbor.1_C,Intercept]	1.00	1.01
r_set:horizon[Bass.Harbor.2_A,Intercept]	1.00	1.00
r_set:horizon[Bass.Harbor.2_B,Intercept]	1.00	1.00

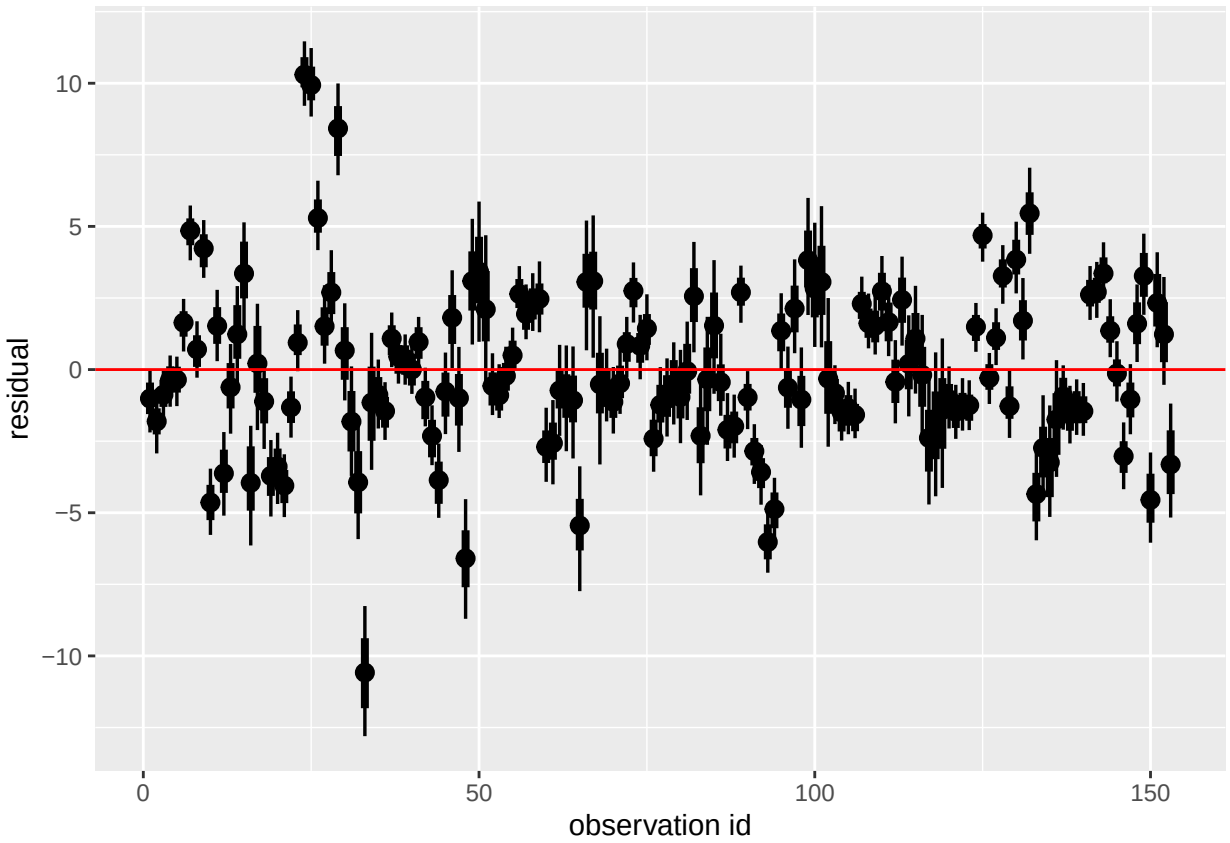
	Point est.	Upper C.I.
r_set:horizon[Bass.Harbor.2_C,Intercept]	1.00	1.00
r_set:horizon[Bass.Harbor.3_A,Intercept]	1.00	1.00
r_set:horizon[Bass.Harbor.3_B,Intercept]	1.00	1.00
r_set:horizon[Bass.Harbor.3_C,Intercept]	1.00	1.00
r_set:horizon[Bass.Harbor.1_A,year]	1.00	1.00
r_set:horizon[Bass.Harbor.1_B,year]	1.00	1.00
r_set:horizon[Bass.Harbor.1_C,year]	1.00	1.00
r_set:horizon[Bass.Harbor.2_A,year]	1.00	1.00
r_set:horizon[Bass.Harbor.2_B,year]	1.00	1.00
r_set:horizon[Bass.Harbor.2_C,year]	1.00	1.00
r_set:horizon[Bass.Harbor.3_A,year]	1.00	1.00
r_set:horizon[Bass.Harbor.3_B,year]	1.00	1.00
r_set:horizon[Bass.Harbor.3_C,year]	1.00	1.00
lp___	1.00	1.01

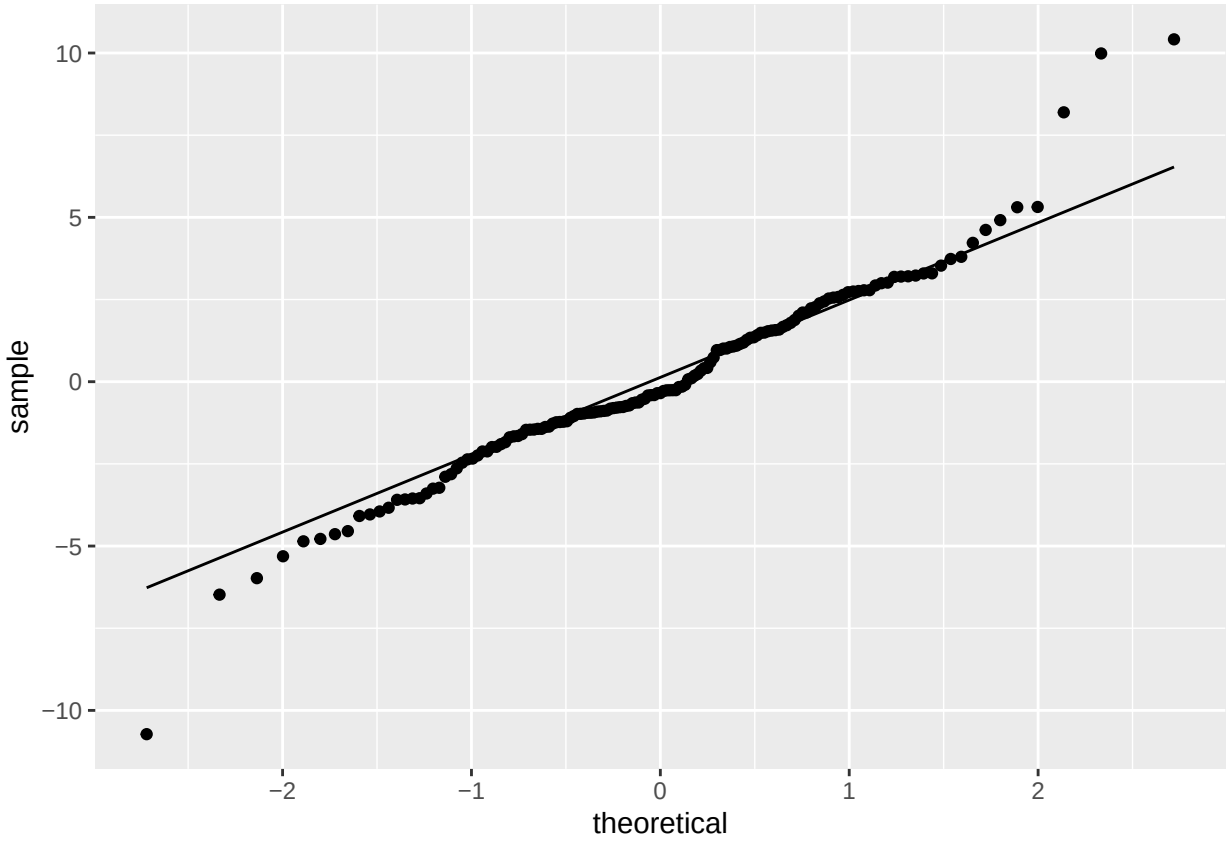
Number of divergences: 5

ACAD: MaineCoastHeritage






10
5
0
−5
−10
residual
0
50
100
150
observation id

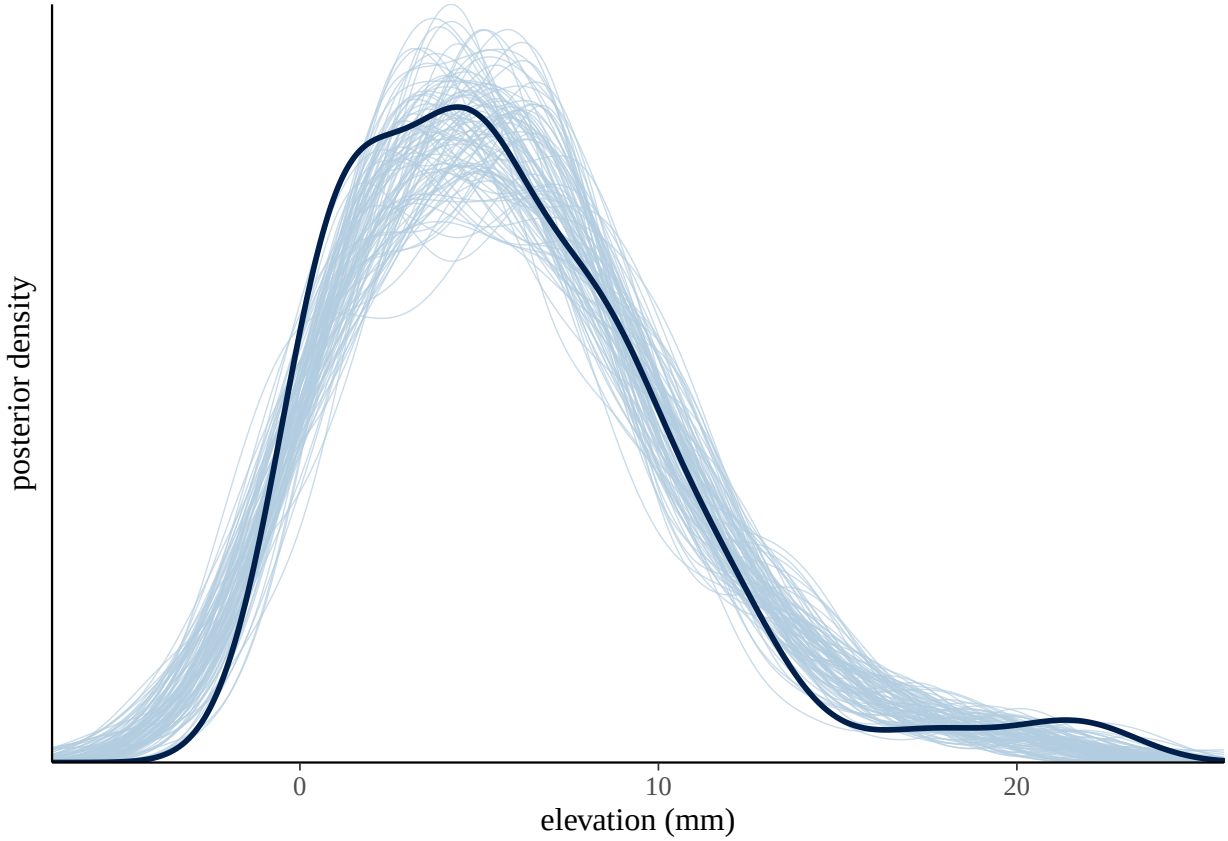


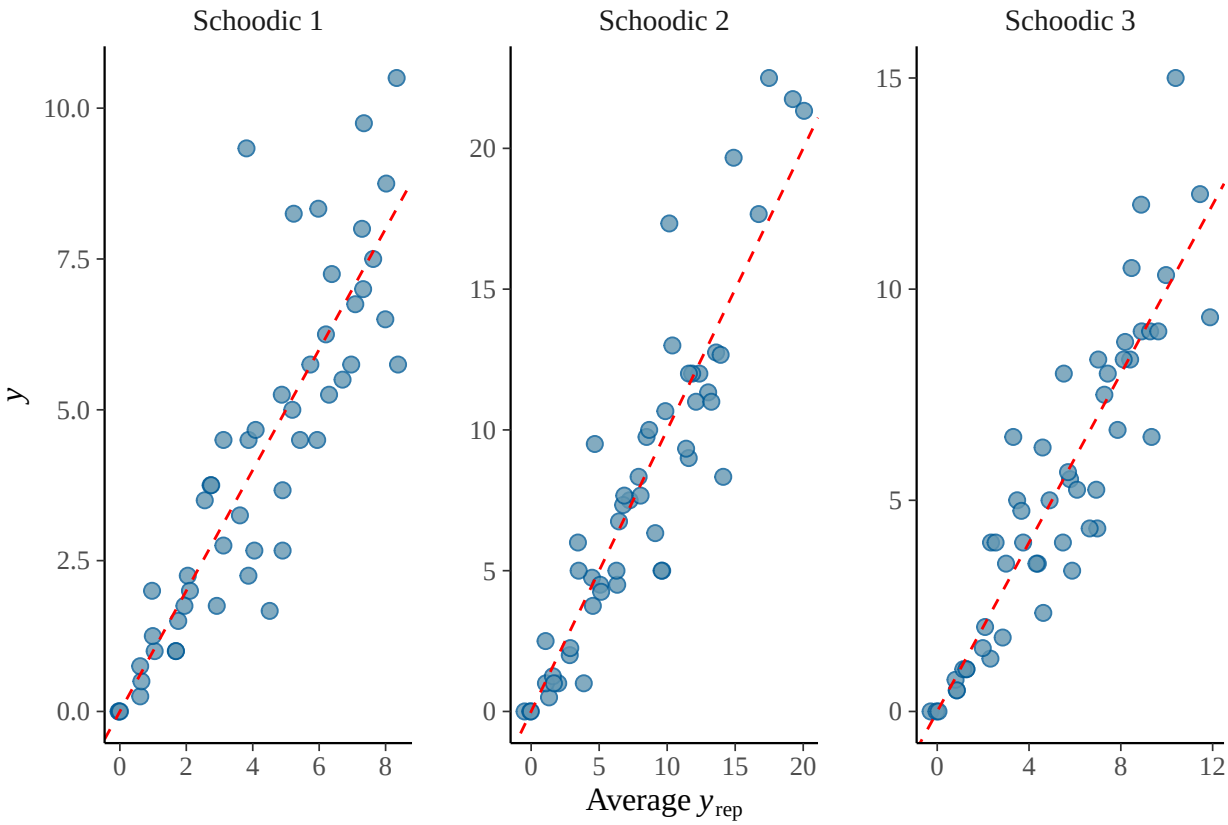
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.02	1.04
sd_set__Intercept	1.00	1.00
sd_set__year	1.01	1.02
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.01	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.01	1.03
sigma	1.00	1.00
r_set[MCHT.1,Intercept]	1.00	1.00
r_set[MCHT.2,Intercept]	1.00	1.00
r_set[MCHT.3,Intercept]	1.00	1.00
r_set[MCHT.1,year]	1.02	1.04
r_set[MCHT.2,year]	1.01	1.02
r_set[MCHT.3,year]	1.00	1.01
r_set:horizon[MCHT.1_A,Intercept]	1.00	1.00
r_set:horizon[MCHT.1_B,Intercept]	1.01	1.01
r_set:horizon[MCHT.1_C,Intercept]	1.00	1.00
r_set:horizon[MCHT.2_A,Intercept]	1.00	1.01
r_set:horizon[MCHT.2_B,Intercept]	1.00	1.00

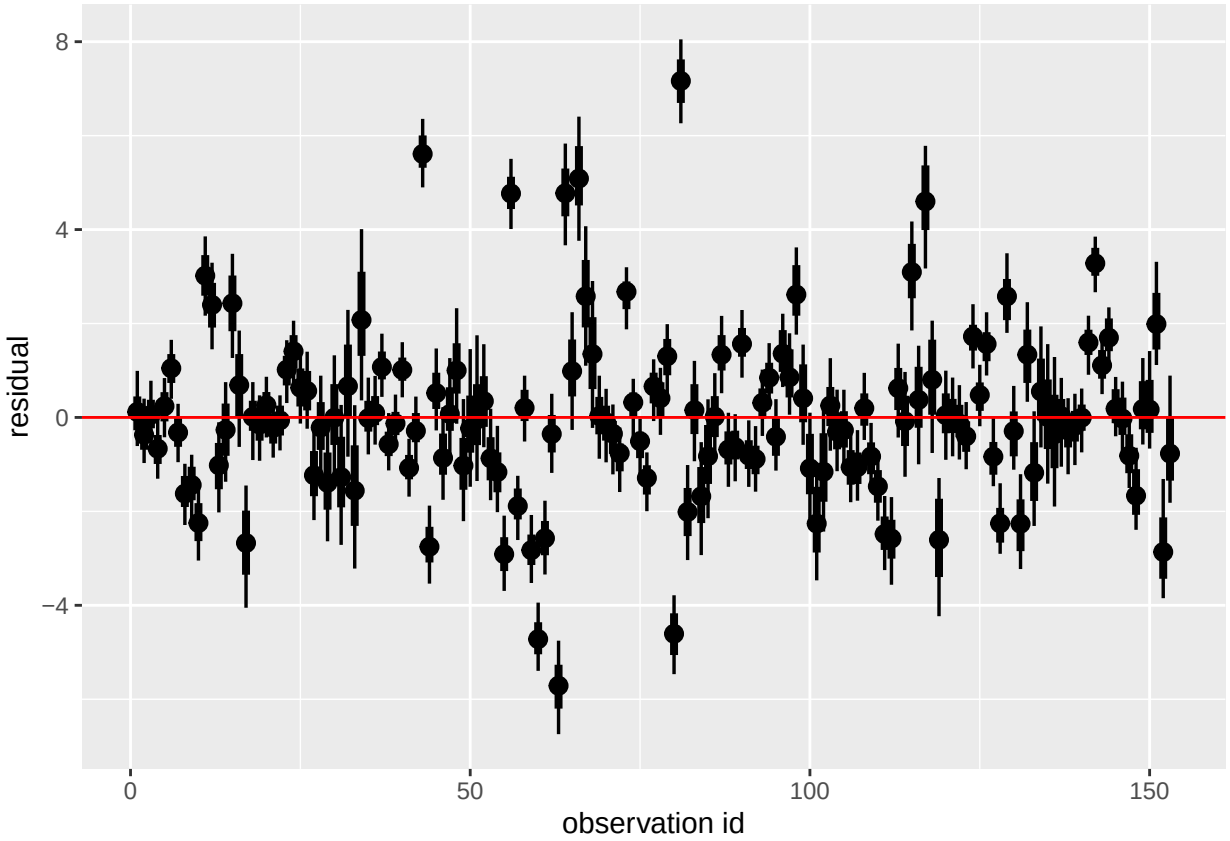
	Point est.	Upper C.I.
r_set:horizon[MCHT.2_C,Intercept]	1.00	1.01
r_set:horizon[MCHT.3_A,Intercept]	1.00	1.00
r_set:horizon[MCHT.3_B,Intercept]	1.00	1.00
r_set:horizon[MCHT.3_C,Intercept]	1.00	1.01
r_set:horizon[MCHT.1_A,year]	1.00	1.00
r_set:horizon[MCHT.1_B,year]	1.00	1.00
r_set:horizon[MCHT.1_C,year]	1.00	1.00
r_set:horizon[MCHT.2_A,year]	1.00	1.01
r_set:horizon[MCHT.2_B,year]	1.00	1.01
r_set:horizon[MCHT.2_C,year]	1.00	1.01
r_set:horizon[MCHT.3_A,year]	1.00	1.01
r_set:horizon[MCHT.3_B,year]	1.00	1.01
r_set:horizon[MCHT.3_C,year]	1.00	1.01
lp___	1.00	1.01

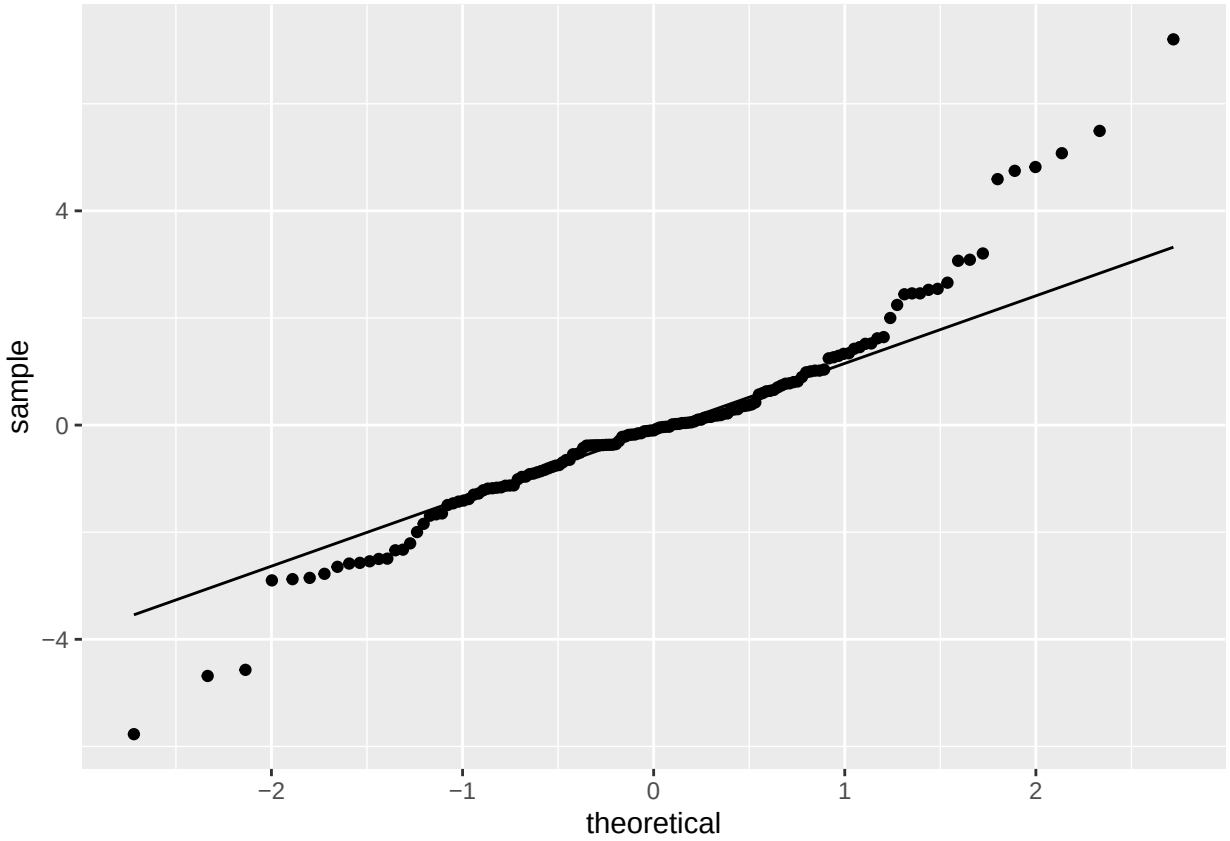
Number of divergences: 2

ACAD: Schoodic






8
4
0
−4
residual
0
50
100
150
observation id

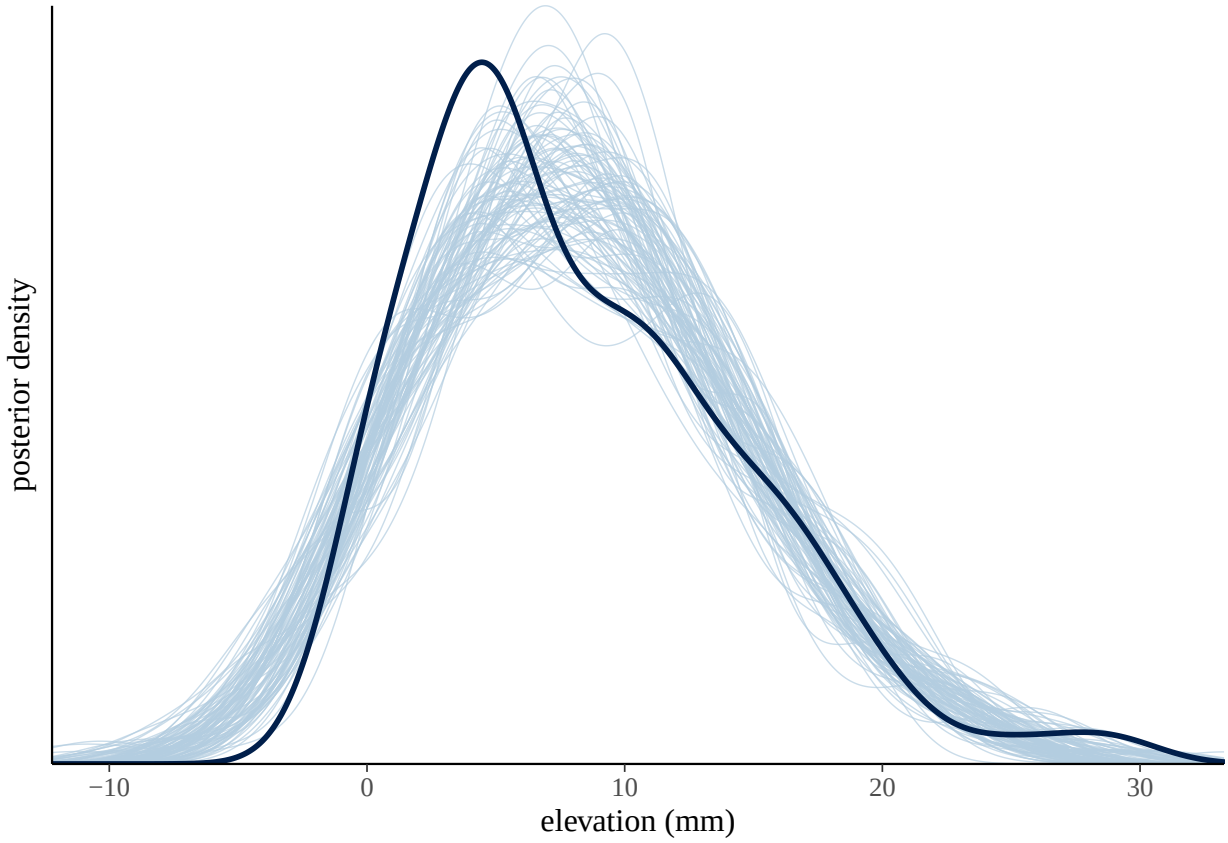


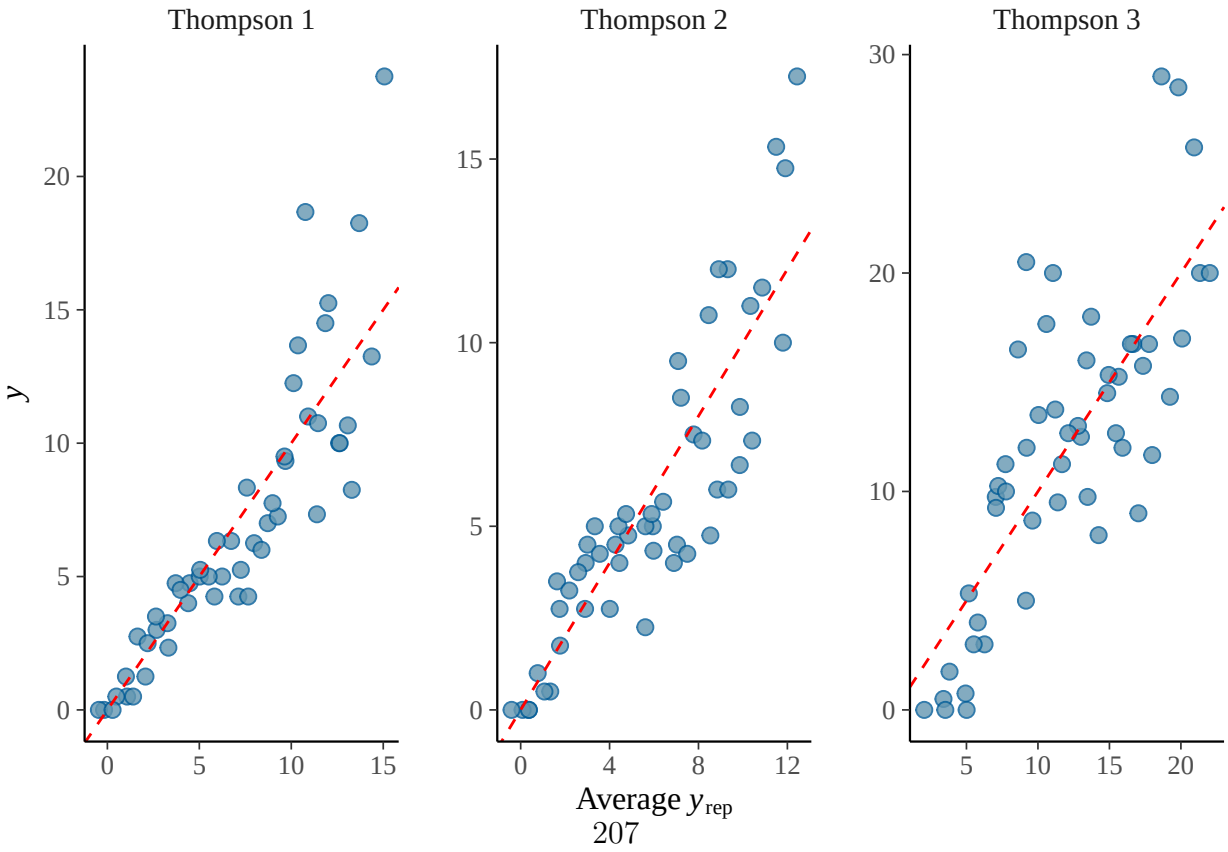
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.01	1.02
sd_set__Intercept	1.01	1.01
sd_set__year	1.01	1.02
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[Schoodic.1,Intercept]	1.01	1.01
r_set[Schoodic.2,Intercept]	1.00	1.01
r_set[Schoodic.3,Intercept]	1.00	1.00
r_set[Schoodic.1,year]	1.01	1.02
r_set[Schoodic.2,year]	1.01	1.03
r_set[Schoodic.3,year]	1.01	1.02
r_set:horizon[Schoodic.1_A,Intercept]	1.01	1.02
r_set:horizon[Schoodic.1_B,Intercept]	1.00	1.01
r_set:horizon[Schoodic.1_C,Intercept]	1.00	1.00
r_set:horizon[Schoodic.2_A,Intercept]	1.00	1.00
r_set:horizon[Schoodic.2_B,Intercept]	1.00	1.00

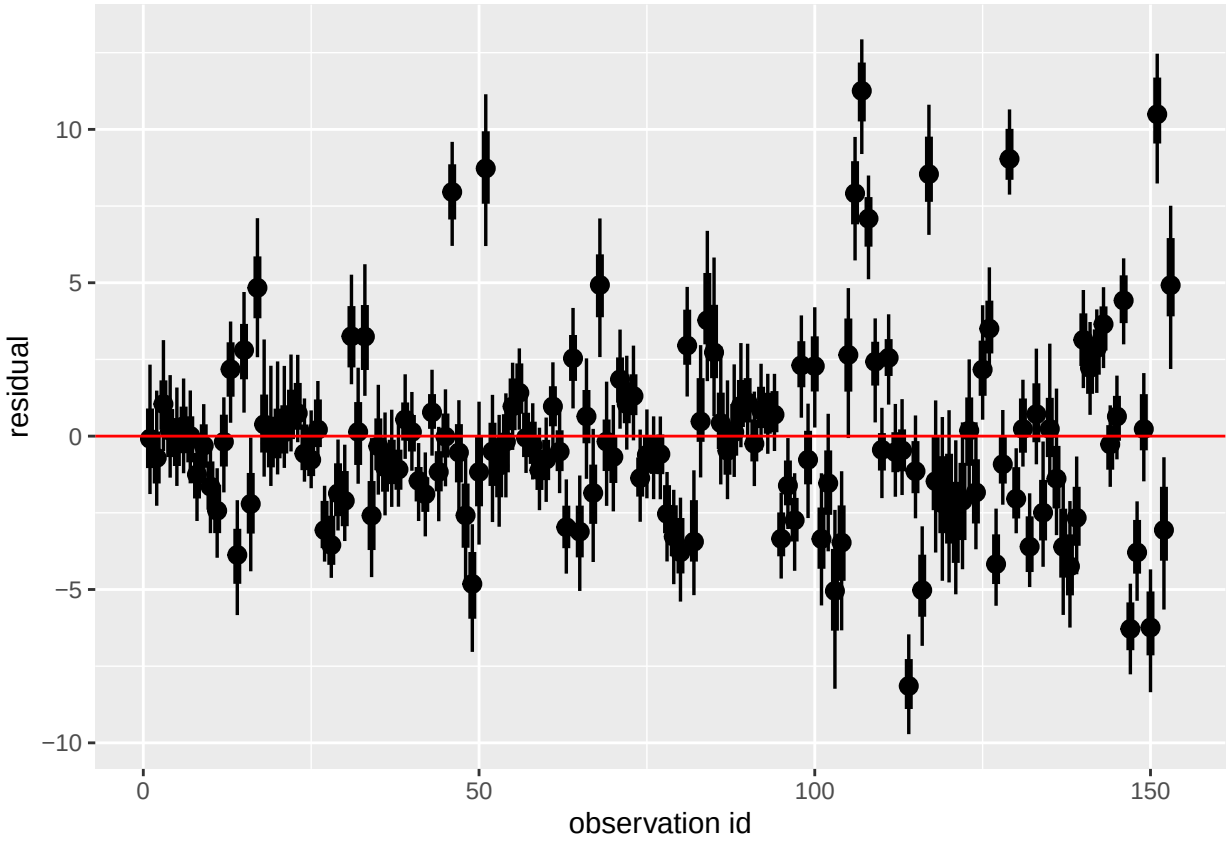
	Point est.	Upper C.I.
r_set:horizon[Schoodic.2_C,Intercept]	1.00	1.00
r_set:horizon[Schoodic.3_A,Intercept]	1.00	1.00
r_set:horizon[Schoodic.3_B,Intercept]	1.00	1.00
r_set:horizon[Schoodic.3_C,Intercept]	1.00	1.00
r_set:horizon[Schoodic.1_A,year]	1.00	1.01
r_set:horizon[Schoodic.1_B,year]	1.00	1.01
r_set:horizon[Schoodic.1_C,year]	1.00	1.01
r_set:horizon[Schoodic.2_A,year]	1.00	1.00
r_set:horizon[Schoodic.2_B,year]	1.00	1.00
r_set:horizon[Schoodic.2_C,year]	1.00	1.00
r_set:horizon[Schoodic.3_A,year]	1.00	1.00
r_set:horizon[Schoodic.3_B,year]	1.00	1.00
r_set:horizon[Schoodic.3_C,year]	1.00	1.01
lp___	1.00	1.02

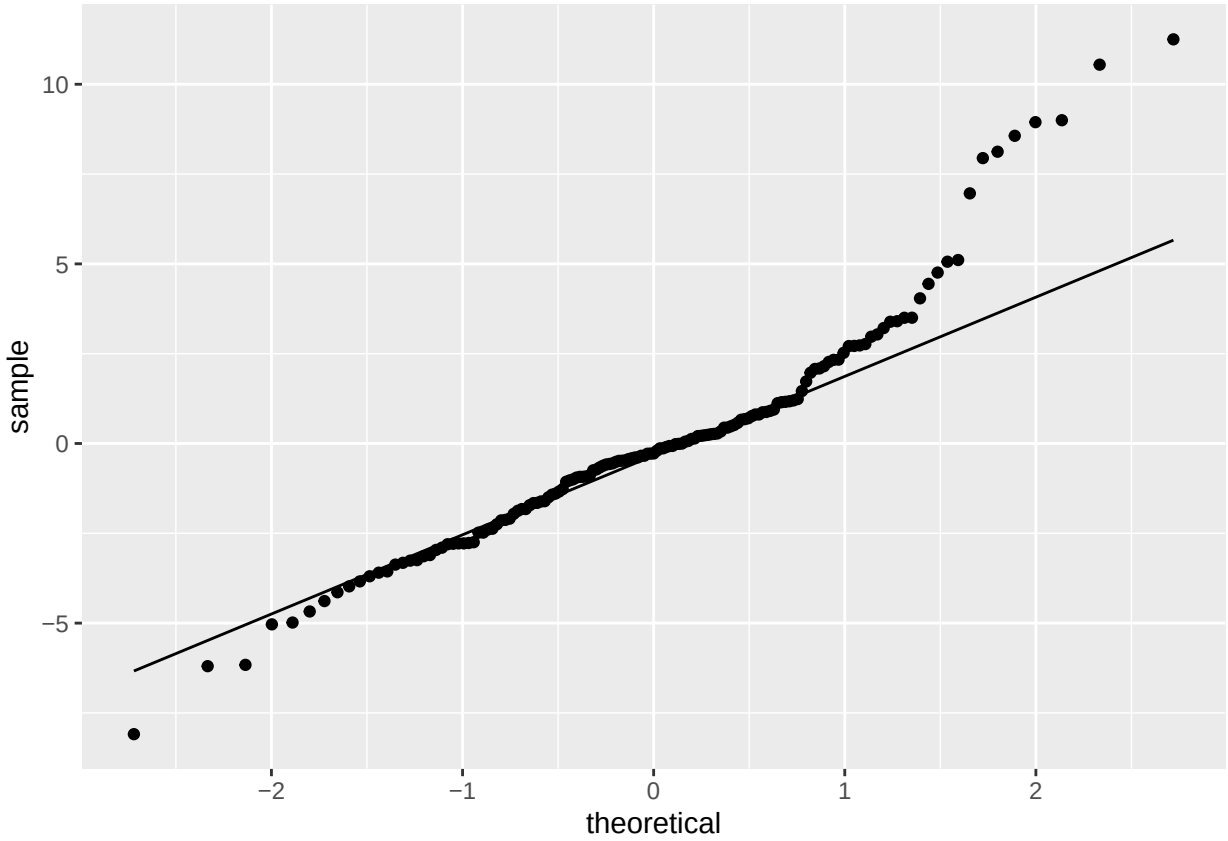
Number of divergences: 0

ACAD: ThompsonIsland






residual
10
5
0
−5
−10
0
50
100
150
observation id

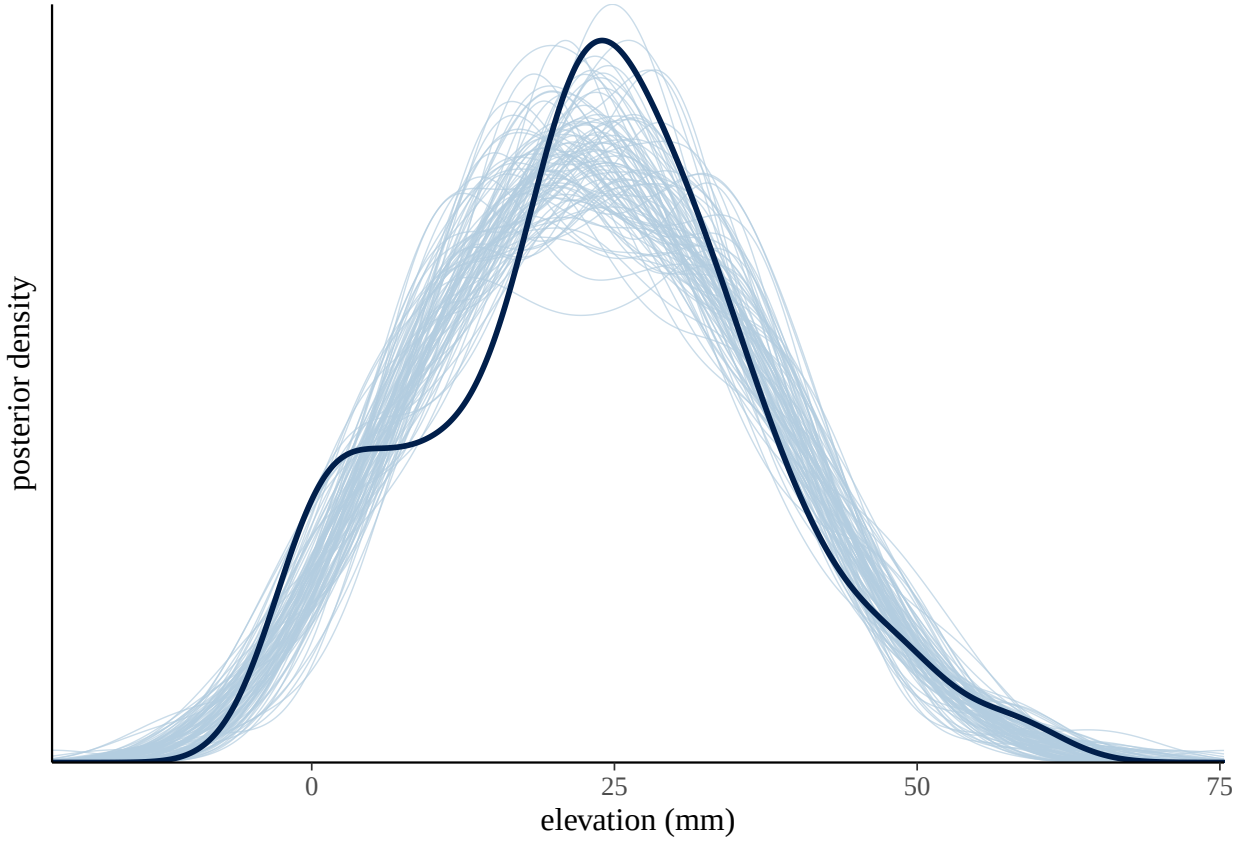


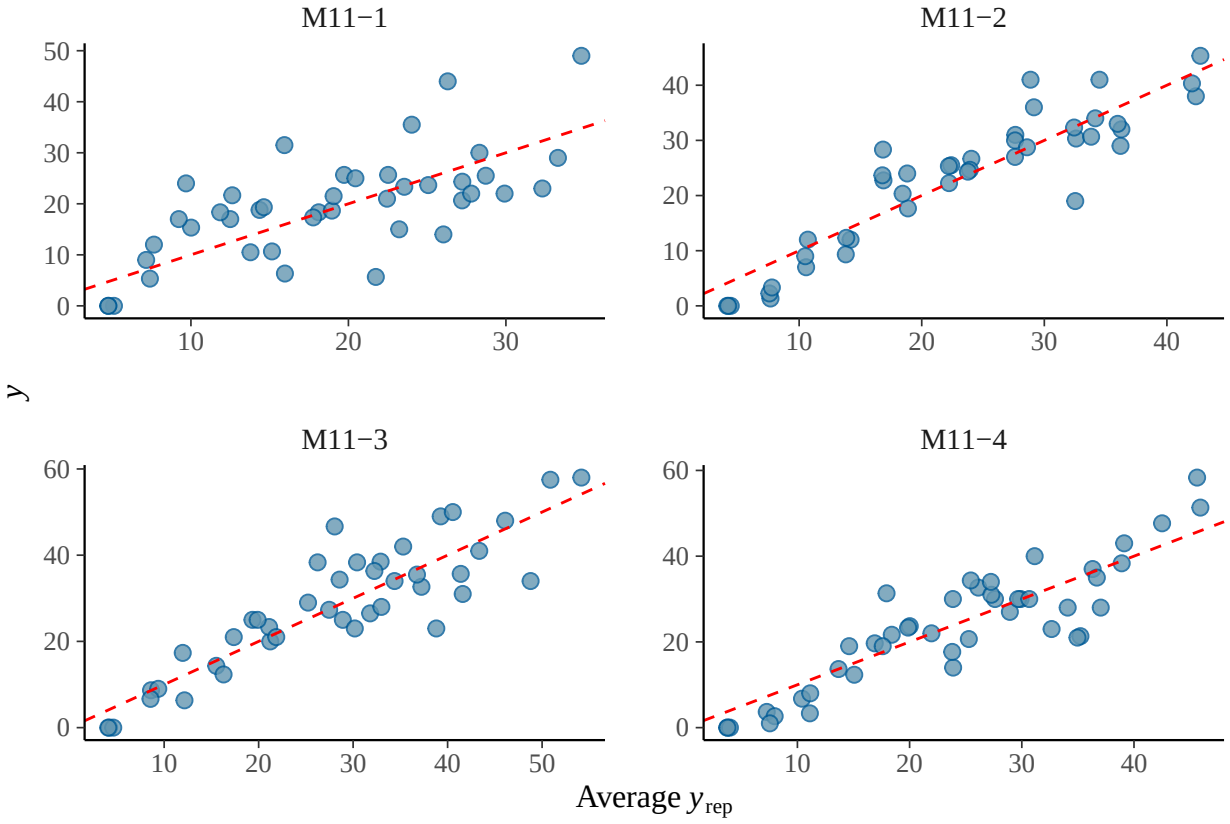
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.01	1.01
sd_set__year	1.01	1.01
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[Thompson.1,Intercept]	1.01	1.01
r_set[Thompson.2,Intercept]	1.00	1.00
r_set[Thompson.3,Intercept]	1.00	1.00
r_set[Thompson.1,year]	1.00	1.01
r_set[Thompson.2,year]	1.00	1.01
r_set[Thompson.3,year]	1.00	1.01
r_set:horizon[Thompson.1_A,Intercept]	1.00	1.00
r_set:horizon[Thompson.1_B,Intercept]	1.00	1.00
r_set:horizon[Thompson.1_C,Intercept]	1.00	1.00
r_set:horizon[Thompson.2_A,Intercept]	1.00	1.00
r_set:horizon[Thompson.2_B,Intercept]	1.00	1.00

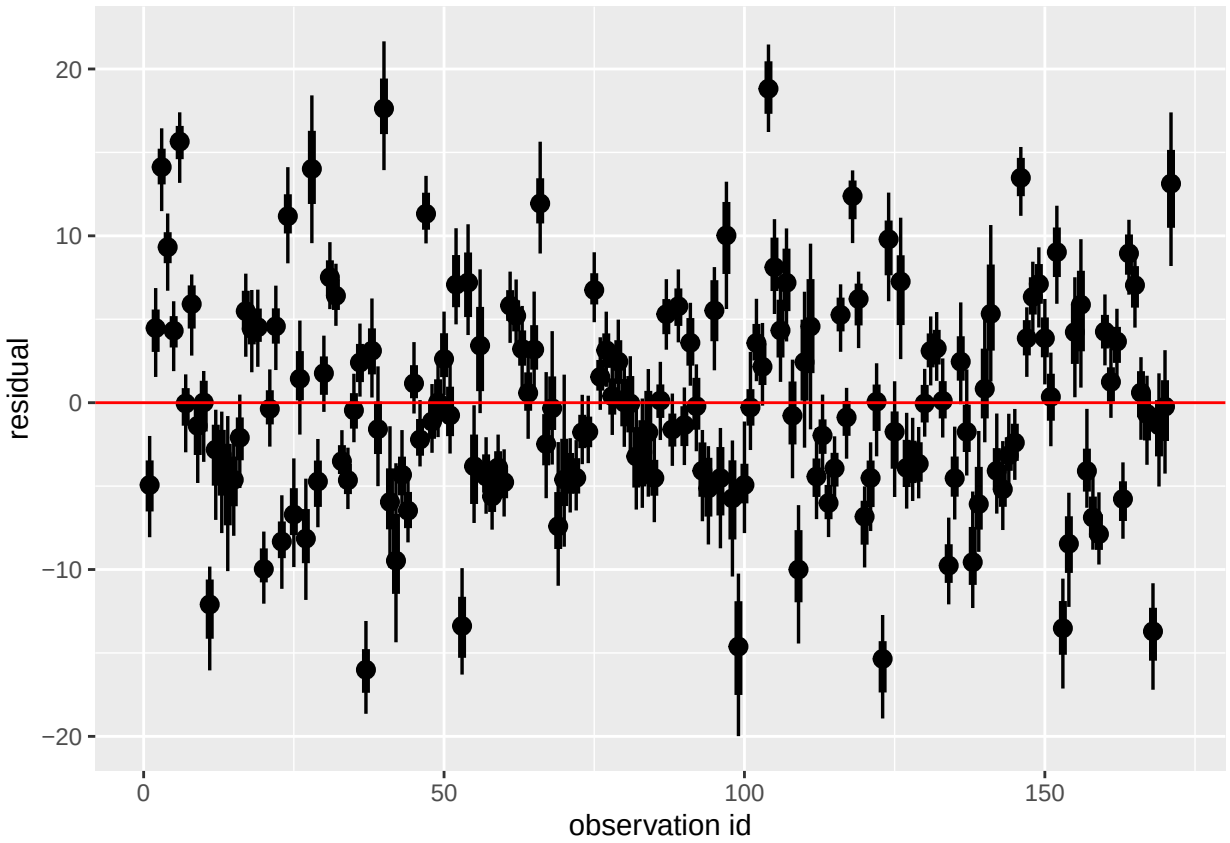
	Point est.	Upper C.I.
r_set:horizon[Thompson.2_C,Intercept]	1.00	1.00
r_set:horizon[Thompson.3_A,Intercept]	1.00	1.00
r_set:horizon[Thompson.3_B,Intercept]	1.00	1.01
r_set:horizon[Thompson.3_C,Intercept]	1.00	1.00
r_set:horizon[Thompson.1_A,year]	1.00	1.01
r_set:horizon[Thompson.1_B,year]	1.00	1.00
r_set:horizon[Thompson.1_C,year]	1.00	1.00
r_set:horizon[Thompson.2_A,year]	1.00	1.01
r_set:horizon[Thompson.2_B,year]	1.00	1.00
r_set:horizon[Thompson.2_C,year]	1.00	1.00
r_set:horizon[Thompson.3_A,year]	1.00	1.01
r_set:horizon[Thompson.3_B,year]	1.00	1.00
r_set:horizon[Thompson.3_C,year]	1.00	1.01
lp___	1.00	1.00

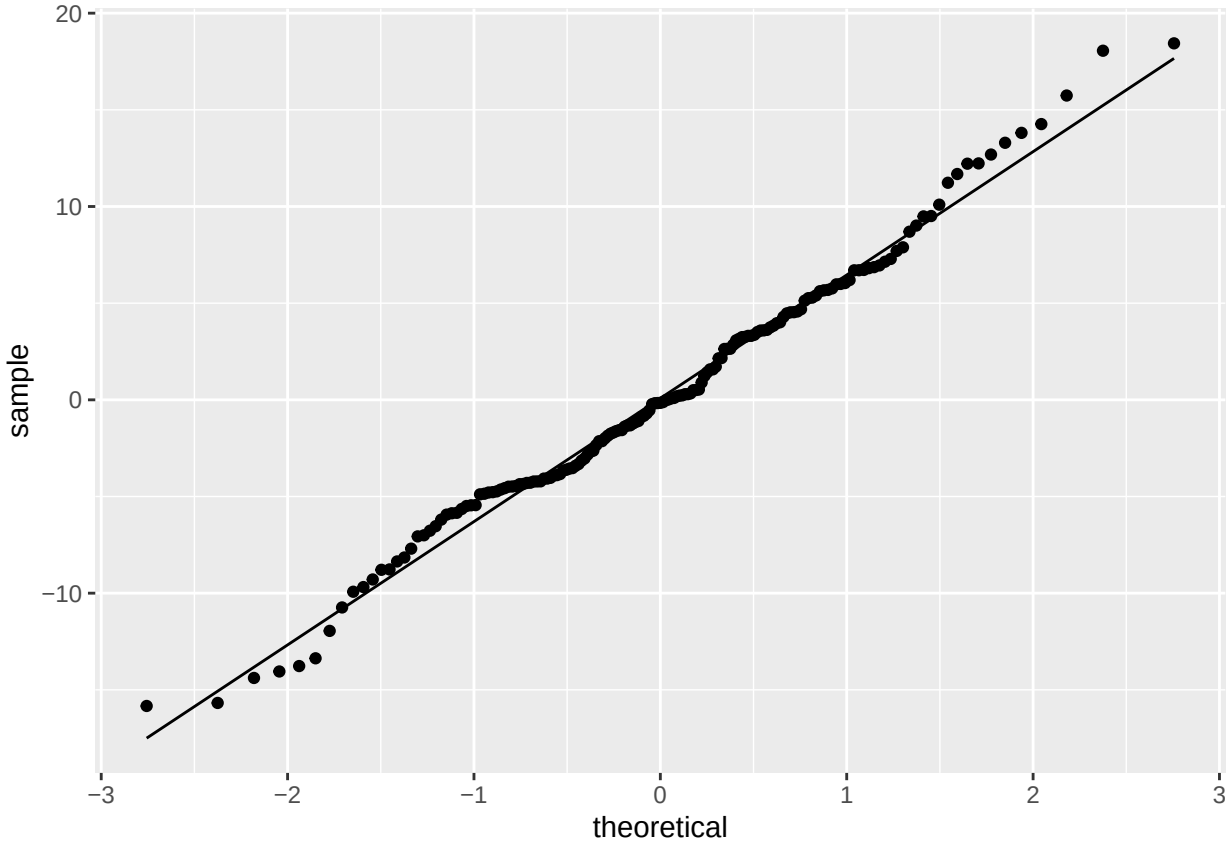
Number of divergences: 0

ASIS: Marsh11






20
10
0
−10
−20
residual
0
50
100
150
observation id

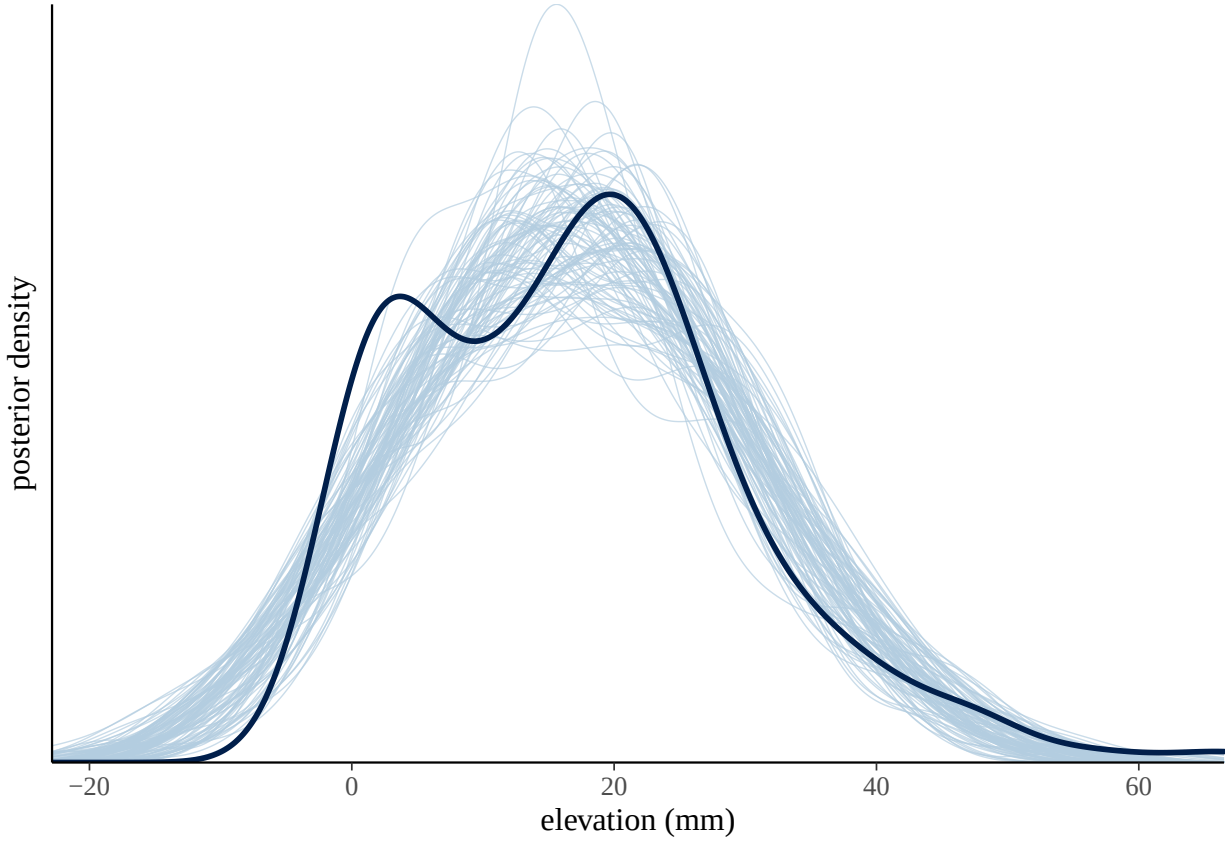


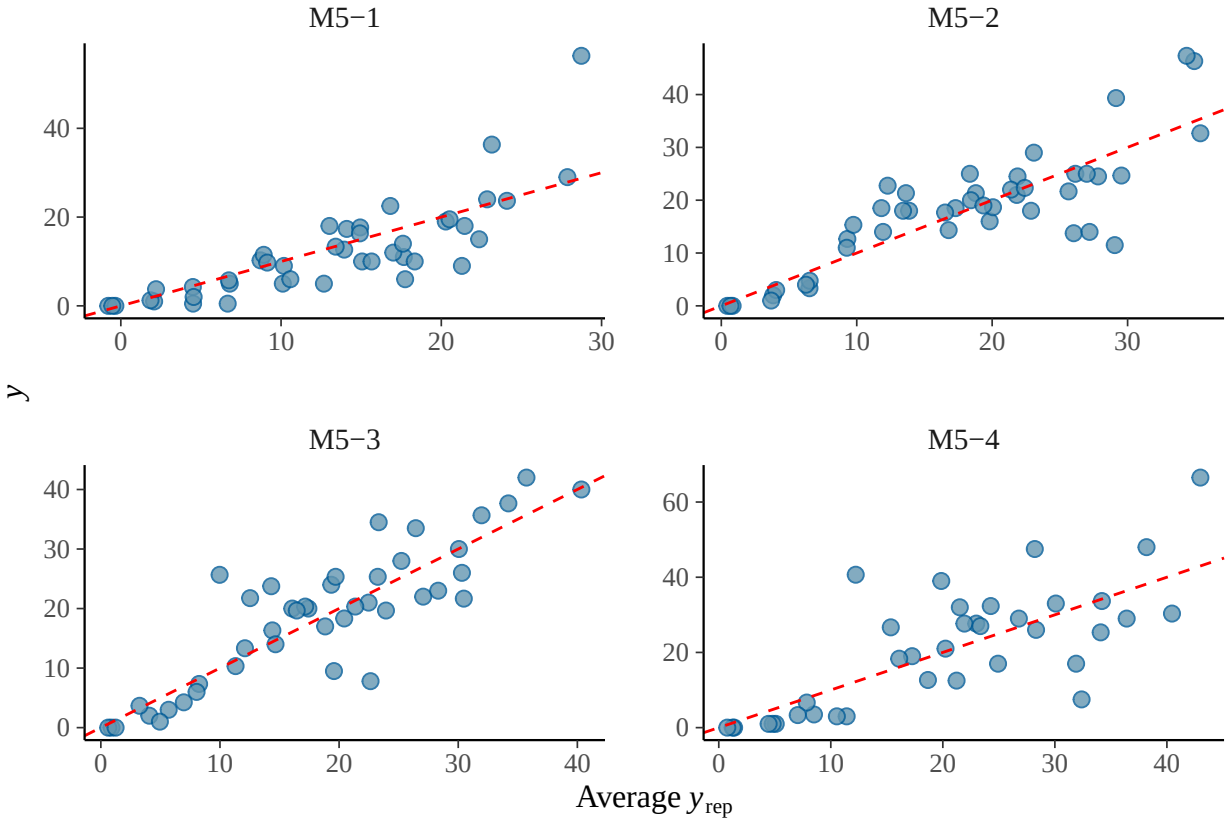
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.02	1.02
sd_set__year	1.00	1.00
sd_set:horizon__Intercept	1.01	1.02
sd_set:horizon__year	1.01	1.02
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[M11-1,Intercept]	1.01	1.01
r_set[M11-2,Intercept]	1.02	1.02
r_set[M11-3,Intercept]	1.01	1.01
r_set[M11-4,Intercept]	1.01	1.01
r_set[M11-1,year]	1.00	1.00
r_set[M11-2,year]	1.00	1.00
r_set[M11-3,year]	1.00	1.00
r_set[M11-4,year]	1.00	1.00
r_set:horizon[M11-1_A,Intercept]	1.01	1.02
r_set:horizon[M11-1_B,Intercept]	1.01	1.01
r_set:horizon[M11-1_C,Intercept]	1.00	1.01

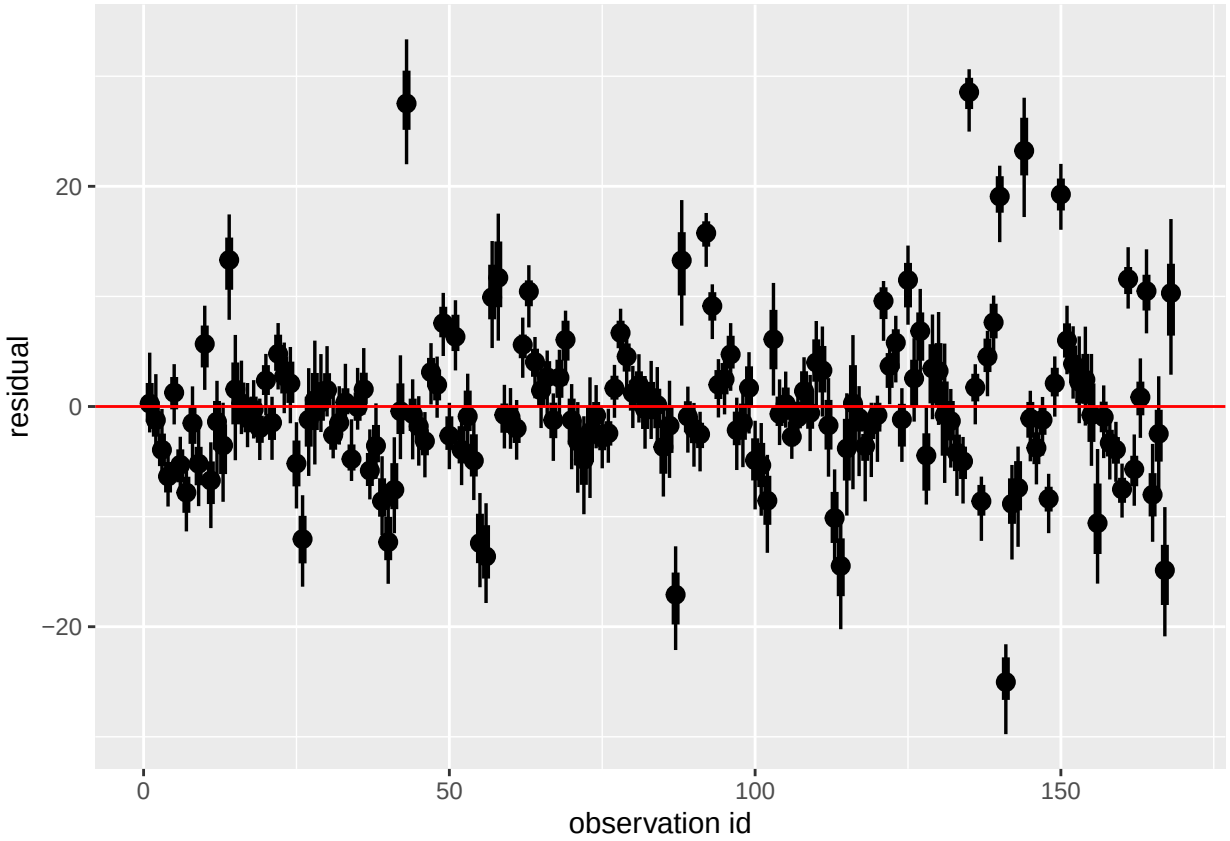
	Point est.	Upper C.I.
r_set:horizon[M11-2_A,Intercept]	1.00	1.00
r_set:horizon[M11-2_B,Intercept]	1.00	1.00
r_set:horizon[M11-2_C,Intercept]	1.00	1.00
r_set:horizon[M11-3_A,Intercept]	1.00	1.00
r_set:horizon[M11-3_B,Intercept]	1.01	1.02
r_set:horizon[M11-3_C,Intercept]	1.00	1.00
r_set:horizon[M11-4_A,Intercept]	1.01	1.01
r_set:horizon[M11-4_B,Intercept]	1.00	1.00
r_set:horizon[M11-4_C,Intercept]	1.00	1.01
r_set:horizon[M11-1_A,year]	1.00	1.00
r_set:horizon[M11-1_B,year]	1.00	1.00
r_set:horizon[M11-1_C,year]	1.00	1.01
r_set:horizon[M11-2_A,year]	1.00	1.01
r_set:horizon[M11-2_B,year]	1.00	1.00
r_set:horizon[M11-2_C,year]	1.01	1.01
r_set:horizon[M11-3_A,year]	1.00	1.00
r_set:horizon[M11-3_B,year]	1.00	1.01
r_set:horizon[M11-3_C,year]	1.00	1.00
r_set:horizon[M11-4_A,year]	1.00	1.00
r_set:horizon[M11-4_B,year]	1.00	1.00
r_set:horizon[M11-4_C,year]	1.00	1.01
lp___	1.00	1.02

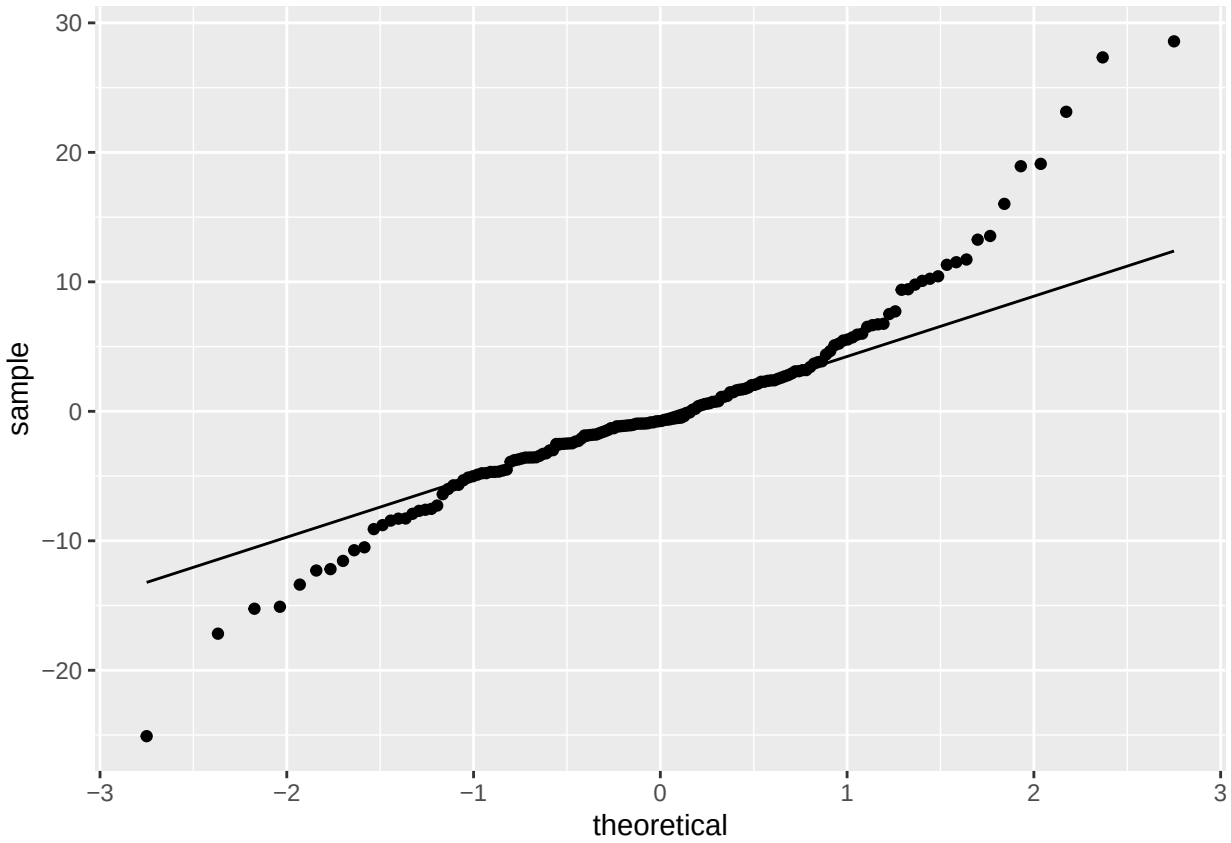
Number of divergences: 0

ASIS: Marsh5


posterior density
−20
0
20
40
60
elevation (mm)


M5−1
M5−2
M5−3
M5−4
y
Average y_{rep}


residual
20
0
−20
0
50
100
150
observation id

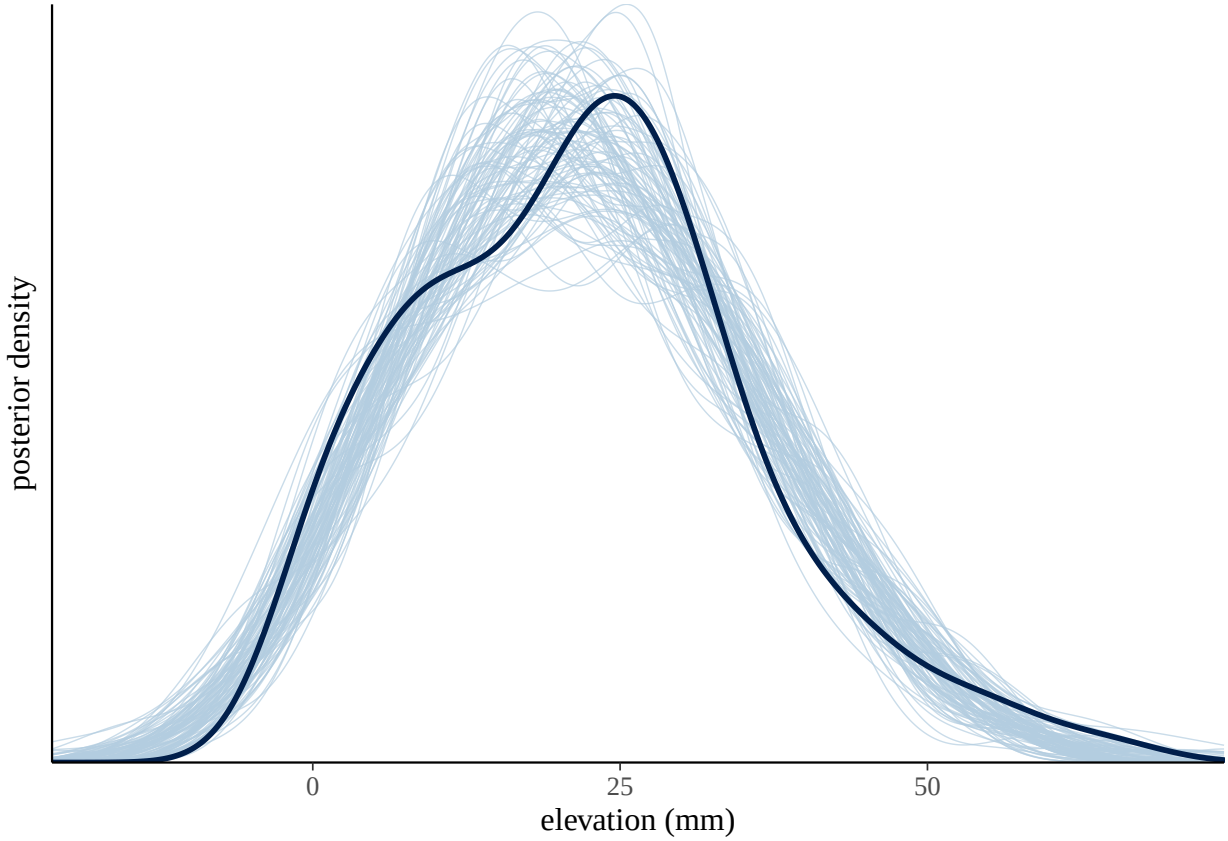


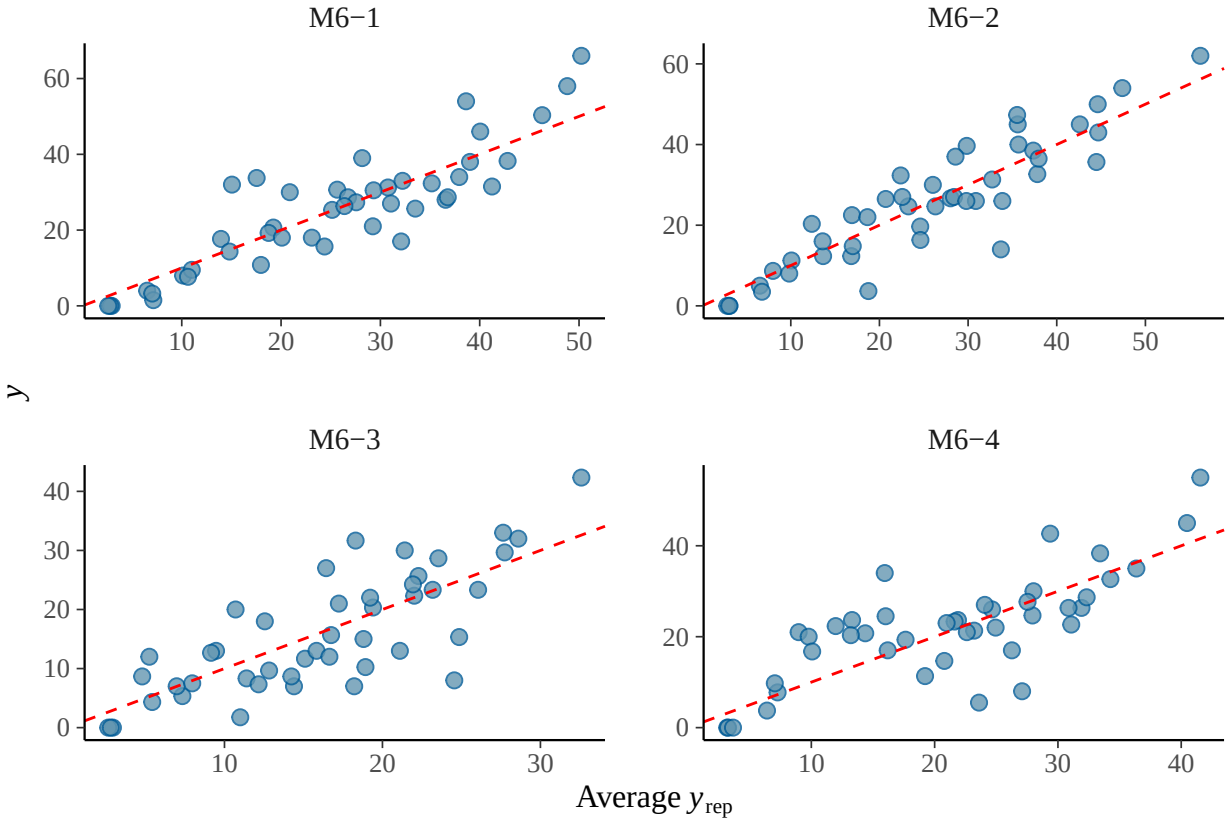
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.04	1.05
sd_set__Intercept	1.01	1.01
sd_set__year	1.04	1.07
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[M5-1,Intercept]	1.00	1.01
r_set[M5-2,Intercept]	1.01	1.02
r_set[M5-3,Intercept]	1.02	1.03
r_set[M5-4,Intercept]	1.01	1.01
r_set[M5-1,year]	1.04	1.05
r_set[M5-2,year]	1.04	1.05
r_set[M5-3,year]	1.04	1.05
r_set[M5-4,year]	1.03	1.04
r_set:horizon[M5-1_A,Intercept]	1.01	1.01
r_set:horizon[M5-1_B,Intercept]	1.00	1.00
r_set:horizon[M5-1_C,Intercept]	1.00	1.00

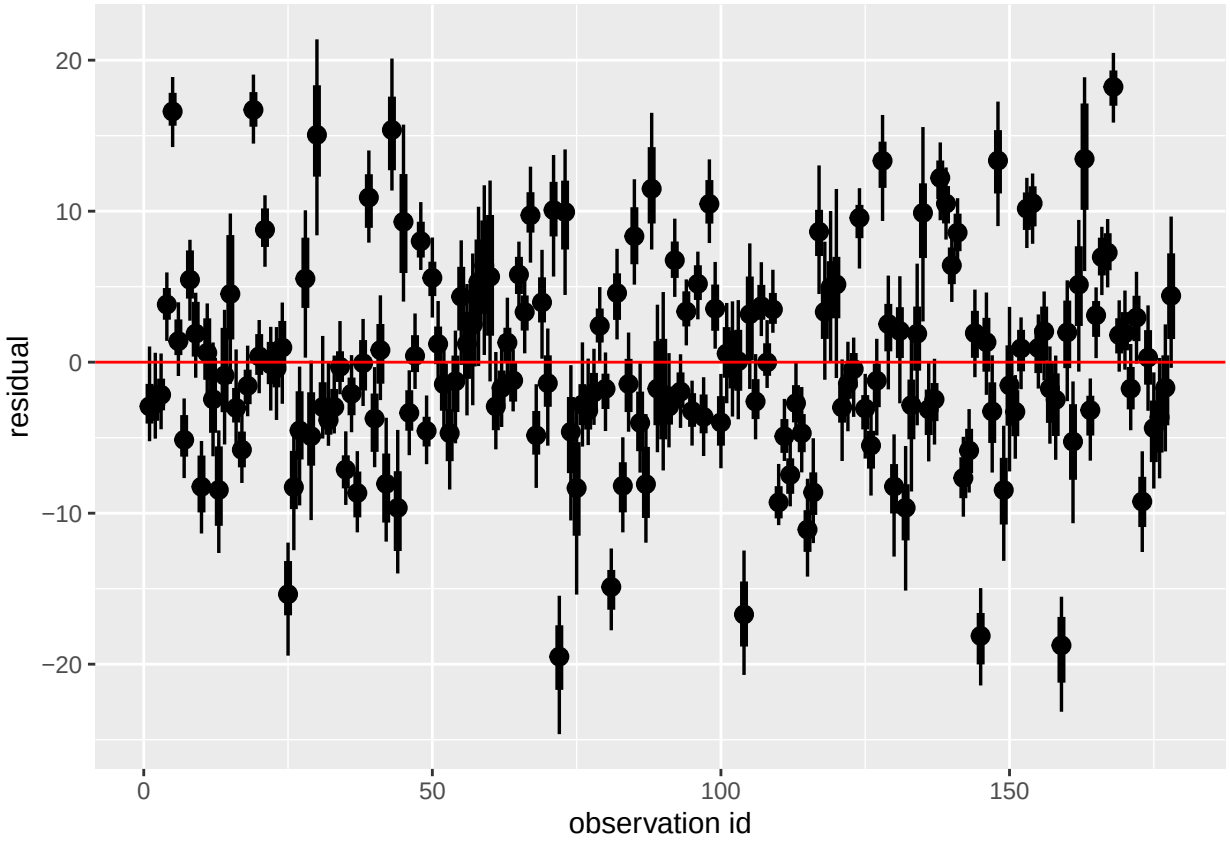
	Point est.	Upper C.I.
r_set:horizon[M5-2_A,Intercept]	1.00	1.00
r_set:horizon[M5-2_B,Intercept]	1.00	1.00
r_set:horizon[M5-2_C,Intercept]	1.00	1.00
r_set:horizon[M5-3_A,Intercept]	1.00	1.00
r_set:horizon[M5-3_B,Intercept]	1.00	1.00
r_set:horizon[M5-3_C,Intercept]	1.00	1.01
r_set:horizon[M5-4_A,Intercept]	1.00	1.00
r_set:horizon[M5-4_B,Intercept]	1.00	1.00
r_set:horizon[M5-4_C,Intercept]	1.00	1.00
r_set:horizon[M5-1_A,year]	1.00	1.01
r_set:horizon[M5-1_B,year]	1.00	1.01
r_set:horizon[M5-1_C,year]	1.00	1.01
r_set:horizon[M5-2_A,year]	1.00	1.00
r_set:horizon[M5-2_B,year]	1.00	1.00
r_set:horizon[M5-2_C,year]	1.00	1.00
r_set:horizon[M5-3_A,year]	1.00	1.00
r_set:horizon[M5-3_B,year]	1.00	1.00
r_set:horizon[M5-3_C,year]	1.00	1.01
r_set:horizon[M5-4_A,year]	1.00	1.01
r_set:horizon[M5-4_B,year]	1.00	1.01
r_set:horizon[M5-4_C,year]	1.00	1.01
lp___	1.00	1.00

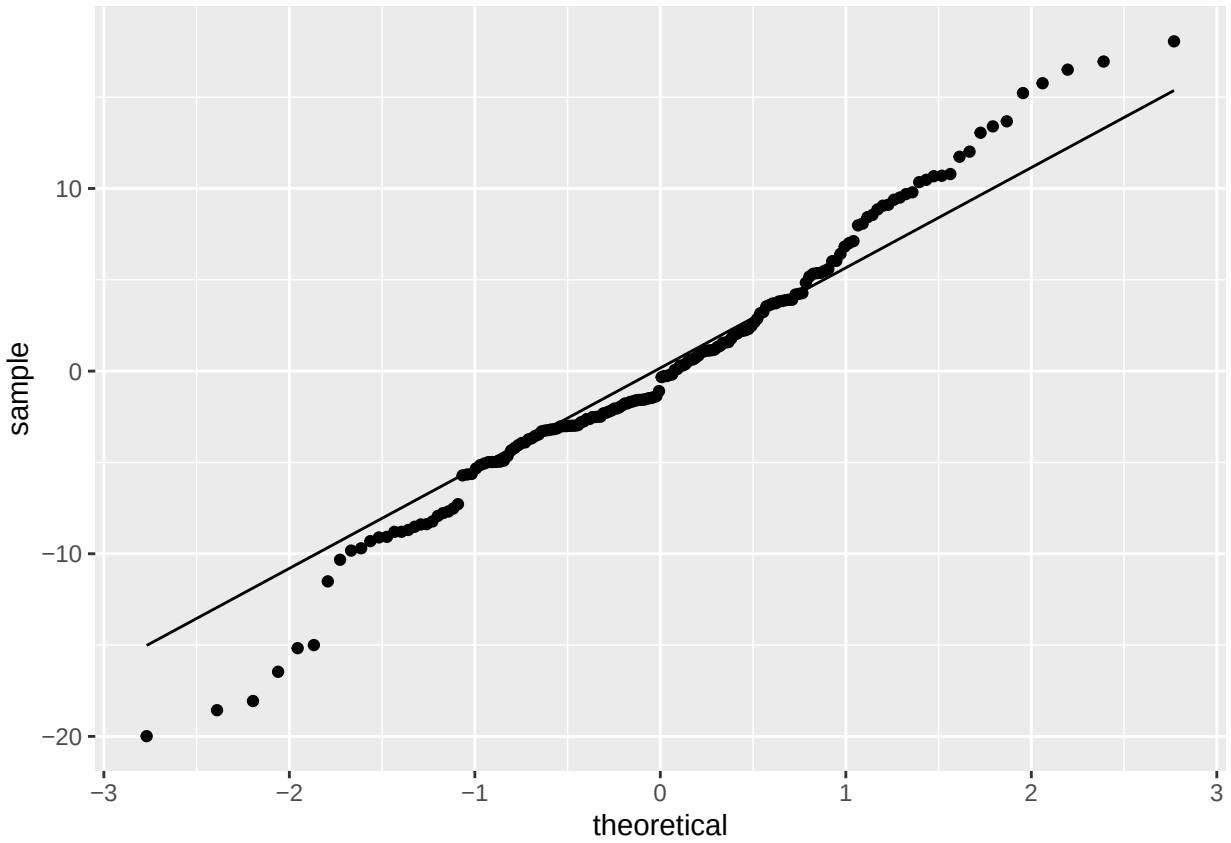
Number of divergences: 4

ASIS: Marsh6


posterior density
0
25
50
elevation (mm)


M6−1
M6−2
M6−3
M6−4
y
Average y_{rep}


20
10
0
−10
−20
residual
0
50
100
150
observation id

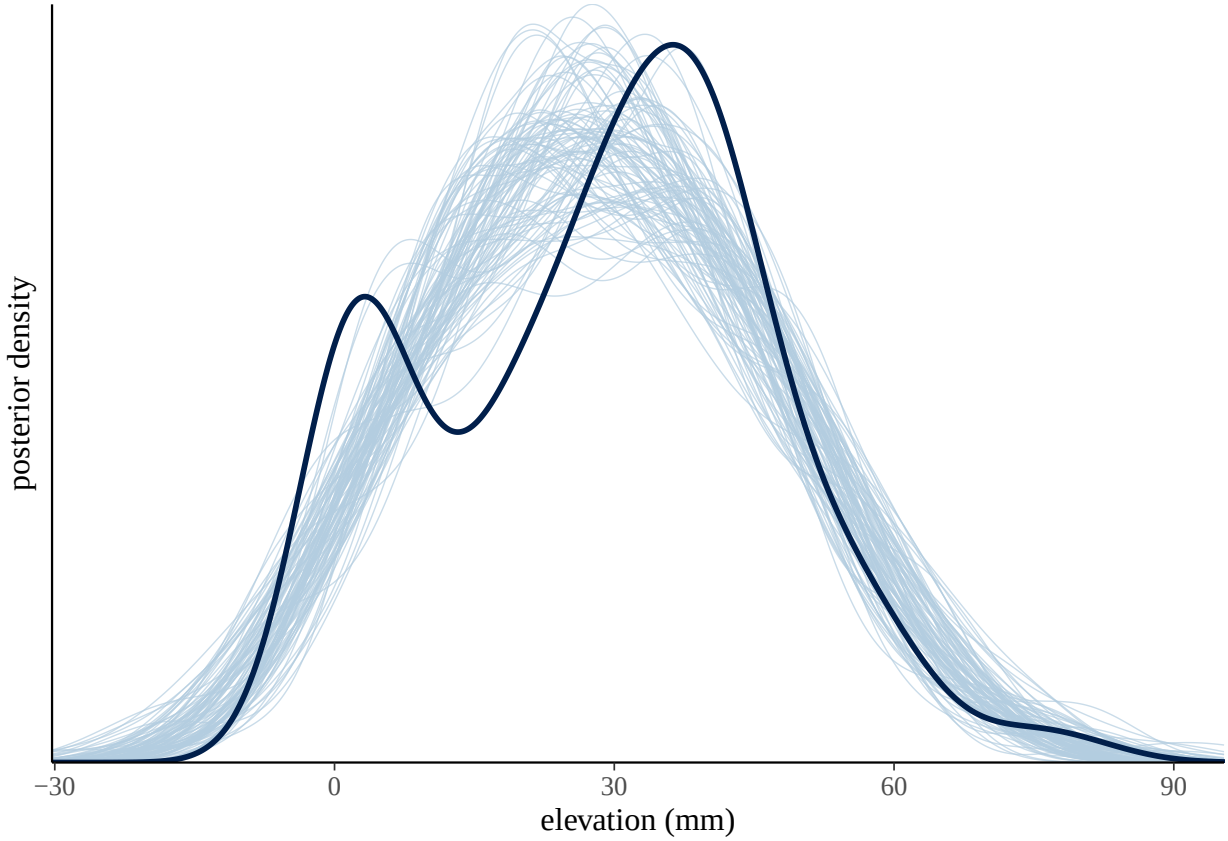


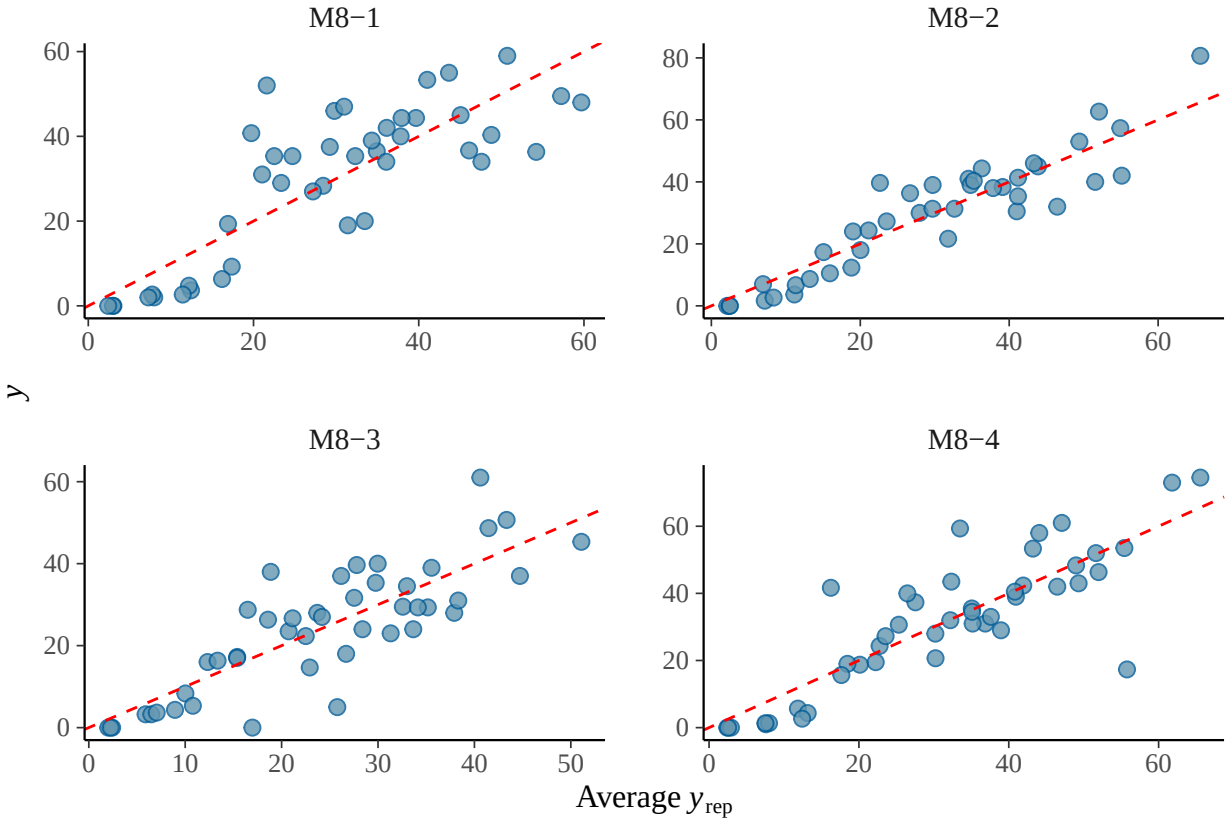
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.01	1.01
sd_set__year	1.00	1.00
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[M6-1,Intercept]	1.01	1.01
r_set[M6-2,Intercept]	1.01	1.01
r_set[M6-3,Intercept]	1.01	1.01
r_set[M6-4,Intercept]	1.01	1.01
r_set[M6-1,year]	1.00	1.00
r_set[M6-2,year]	1.00	1.00
r_set[M6-3,year]	1.00	1.00
r_set[M6-4,year]	1.00	1.00
r_set:horizon[M6-1_A,Intercept]	1.00	1.00
r_set:horizon[M6-1_B,Intercept]	1.00	1.00
r_set:horizon[M6-1_C,Intercept]	1.00	1.00

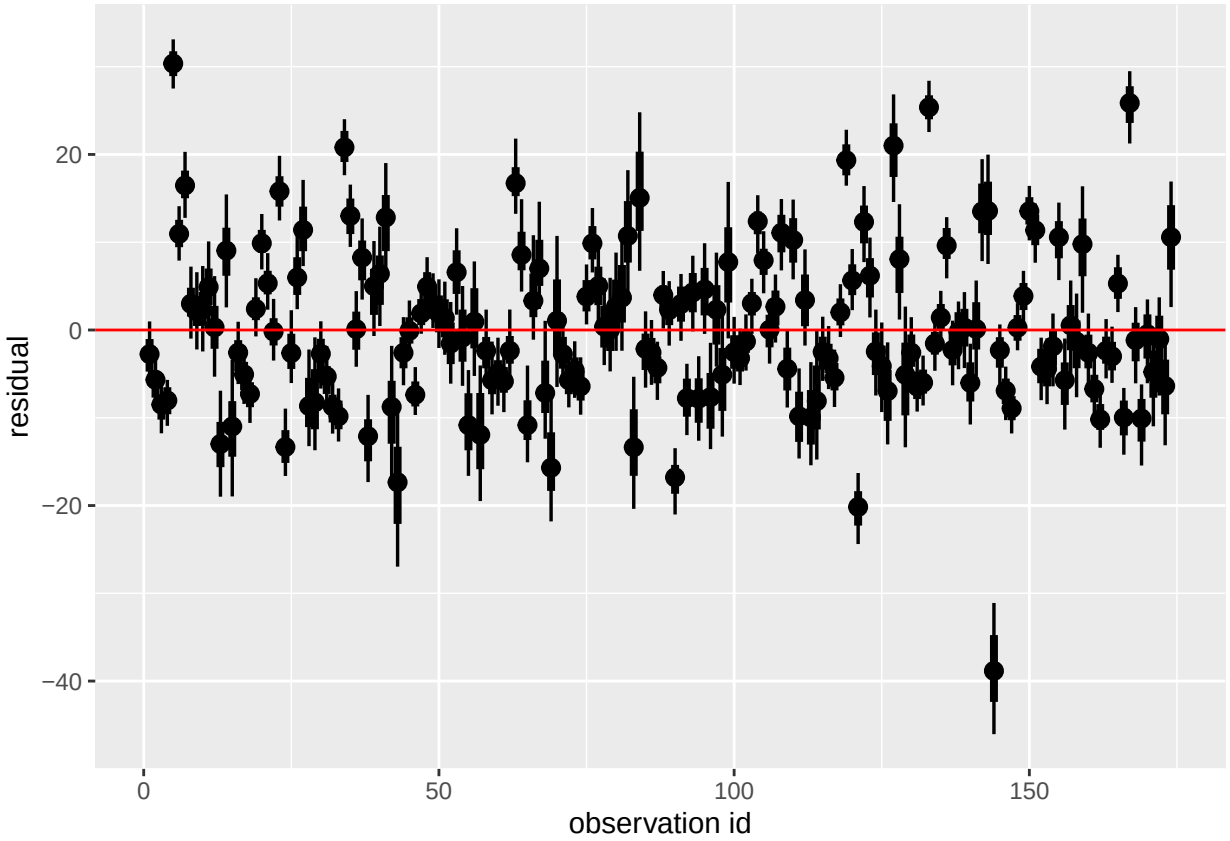
	Point est.	Upper C.I.
r_set:horizon[M6-2_A,Intercept]	1.00	1.00
r_set:horizon[M6-2_B,Intercept]	1.00	1.00
r_set:horizon[M6-2_C,Intercept]	1.00	1.00
r_set:horizon[M6-3_A,Intercept]	1.00	1.00
r_set:horizon[M6-3_B,Intercept]	1.00	1.00
r_set:horizon[M6-3_C,Intercept]	1.00	1.01
r_set:horizon[M6-4_A,Intercept]	1.00	1.01
r_set:horizon[M6-4_B,Intercept]	1.00	1.01
r_set:horizon[M6-4_C,Intercept]	1.01	1.01
r_set:horizon[M6-1_A,year]	1.00	1.00
r_set:horizon[M6-1_B,year]	1.00	1.00
r_set:horizon[M6-1_C,year]	1.00	1.00
r_set:horizon[M6-2_A,year]	1.00	1.00
r_set:horizon[M6-2_B,year]	1.00	1.00
r_set:horizon[M6-2_C,year]	1.00	1.00
r_set:horizon[M6-3_A,year]	1.00	1.00
r_set:horizon[M6-3_B,year]	1.00	1.00
r_set:horizon[M6-3_C,year]	1.00	1.00
r_set:horizon[M6-4_A,year]	1.00	1.00
r_set:horizon[M6-4_B,year]	1.00	1.00
r_set:horizon[M6-4_C,year]	1.00	1.00
lp___	1.00	1.00

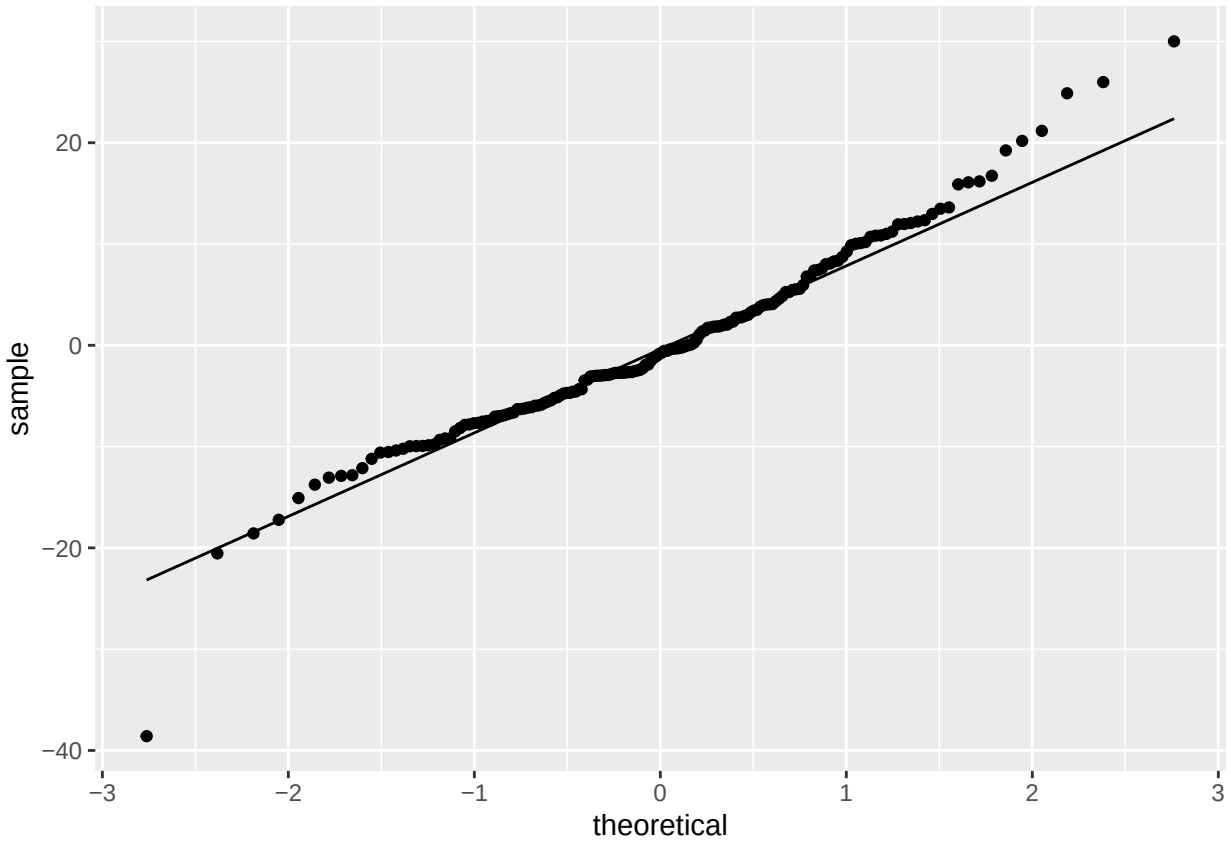
Number of divergences: 0

ASIS: Marsh8


posterior density
−30
0
30
60
90
elevation (mm)


M8−1
M8−2
M8−3
M8−4
y
Average y_{rep}


residual
20
0
−20
−40
0
50
100
150
observation id

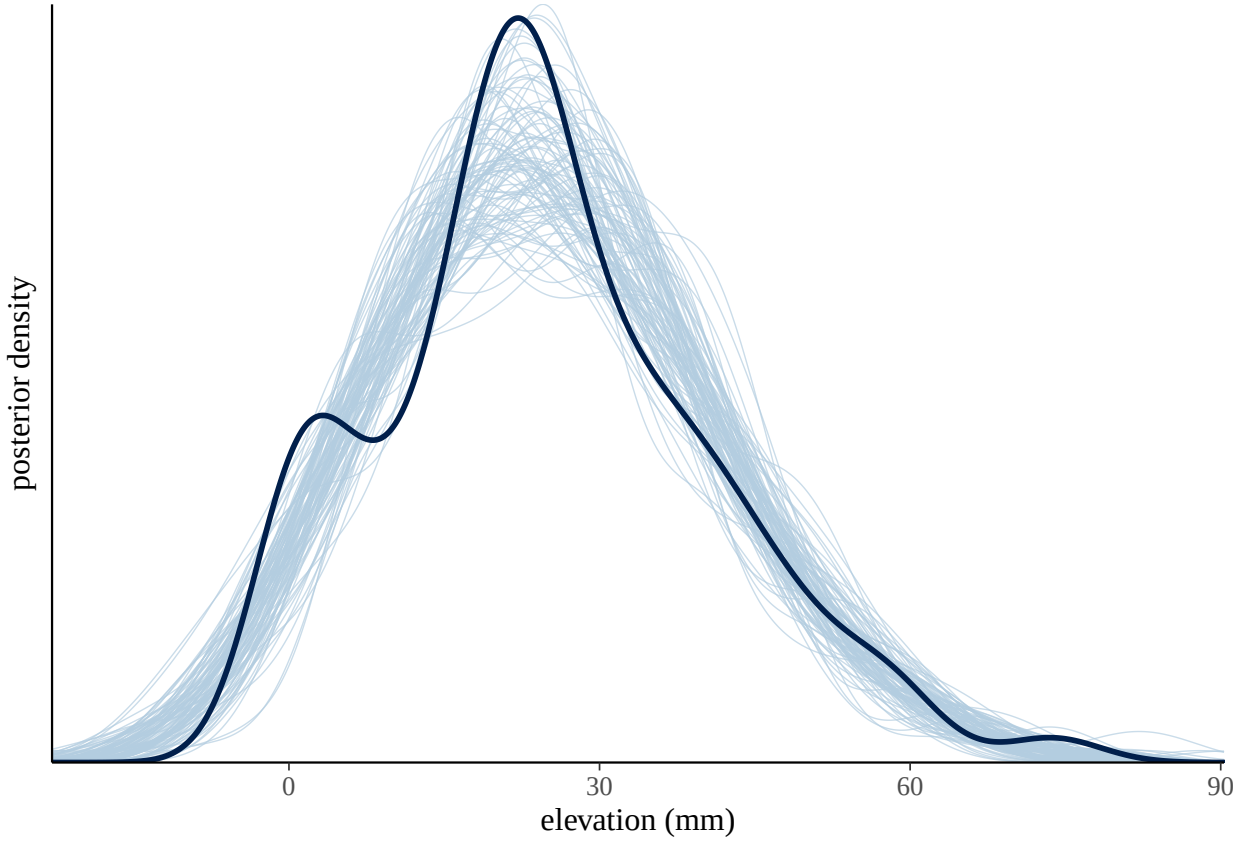


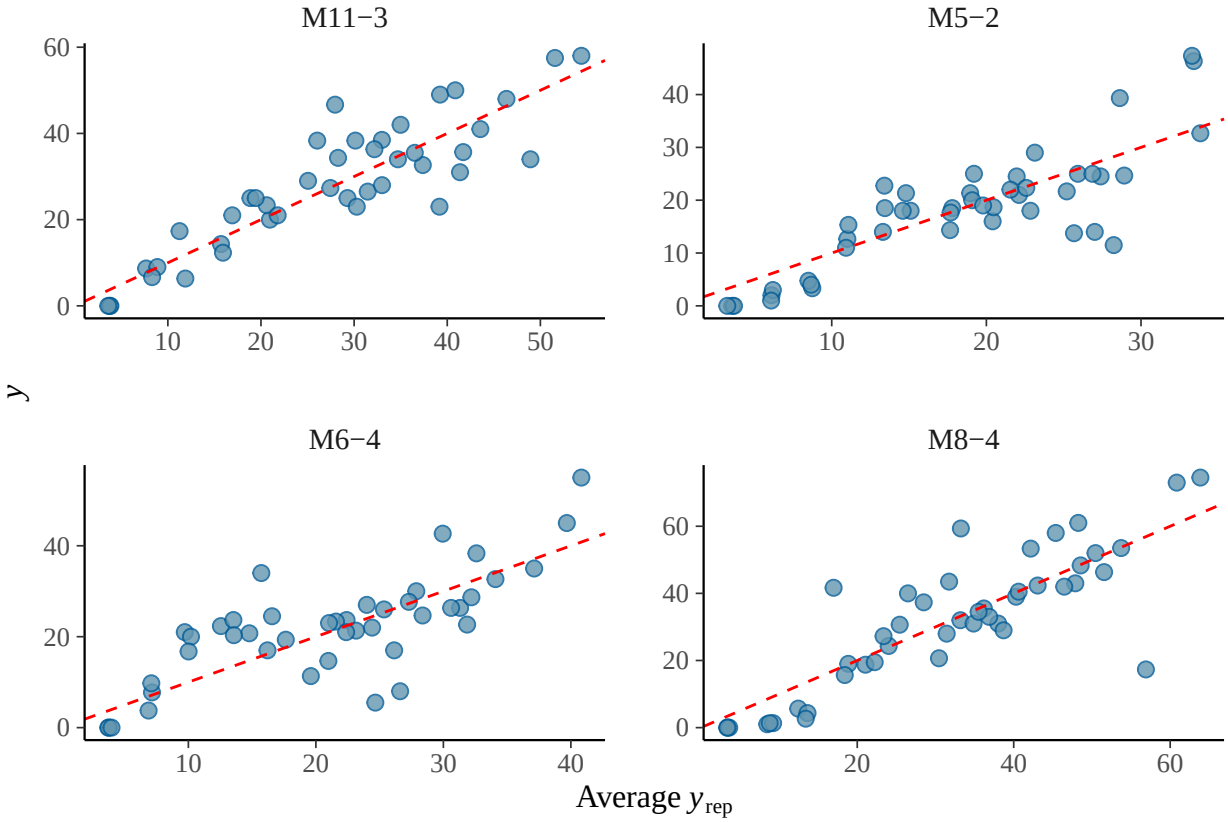
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.00	1.01
sd_set__Intercept	1.02	1.02
sd_set__year	1.00	1.01
sd_set:horizon__Intercept	1.00	1.01
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[M8-1,Intercept]	1.02	1.03
r_set[M8-2,Intercept]	1.02	1.03
r_set[M8-3,Intercept]	1.01	1.01
r_set[M8-4,Intercept]	1.03	1.04
r_set[M8-1,year]	1.00	1.01
r_set[M8-2,year]	1.00	1.00
r_set[M8-3,year]	1.00	1.01
r_set[M8-4,year]	1.00	1.01
r_set:horizon[M8-1_A,Intercept]	1.01	1.01
r_set:horizon[M8-1_B,Intercept]	1.00	1.00
r_set:horizon[M8-1_C,Intercept]	1.00	1.00

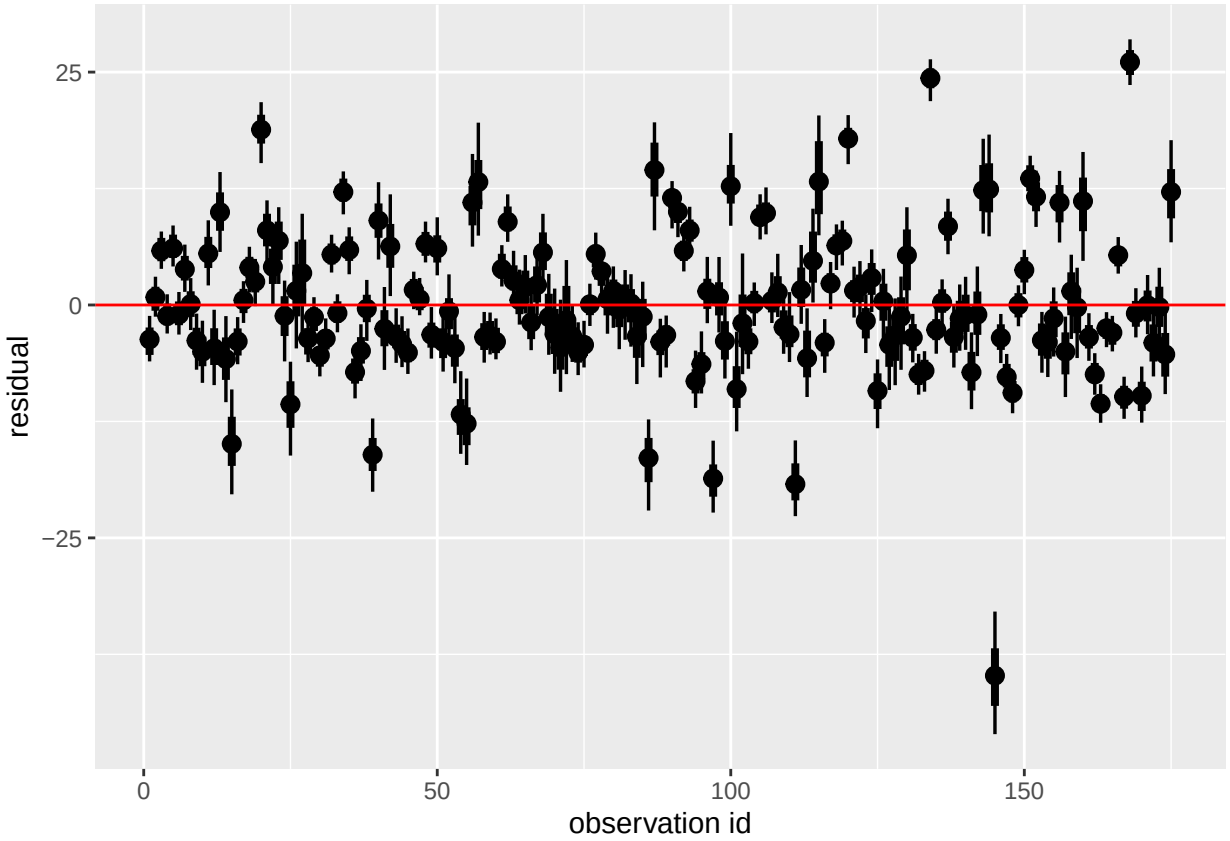
	Point est.	Upper C.I.
r_set:horizon[M8-2_A,Intercept]	1.00	1.01
r_set:horizon[M8-2_B,Intercept]	1.00	1.00
r_set:horizon[M8-2_C,Intercept]	1.01	1.01
r_set:horizon[M8-3_A,Intercept]	1.01	1.01
r_set:horizon[M8-3_B,Intercept]	1.01	1.01
r_set:horizon[M8-3_C,Intercept]	1.01	1.01
r_set:horizon[M8-4_A,Intercept]	1.01	1.01
r_set:horizon[M8-4_B,Intercept]	1.00	1.01
r_set:horizon[M8-4_C,Intercept]	1.01	1.01
r_set:horizon[M8-1_A,year]	1.00	1.00
r_set:horizon[M8-1_B,year]	1.00	1.00
r_set:horizon[M8-1_C,year]	1.00	1.01
r_set:horizon[M8-2_A,year]	1.00	1.01
r_set:horizon[M8-2_B,year]	1.00	1.00
r_set:horizon[M8-2_C,year]	1.00	1.00
r_set:horizon[M8-3_A,year]	1.00	1.00
r_set:horizon[M8-3_B,year]	1.00	1.00
r_set:horizon[M8-3_C,year]	1.00	1.00
r_set:horizon[M8-4_A,year]	1.00	1.01
r_set:horizon[M8-4_B,year]	1.00	1.00
r_set:horizon[M8-4_C,year]	1.00	1.00
lp___	1.00	1.01

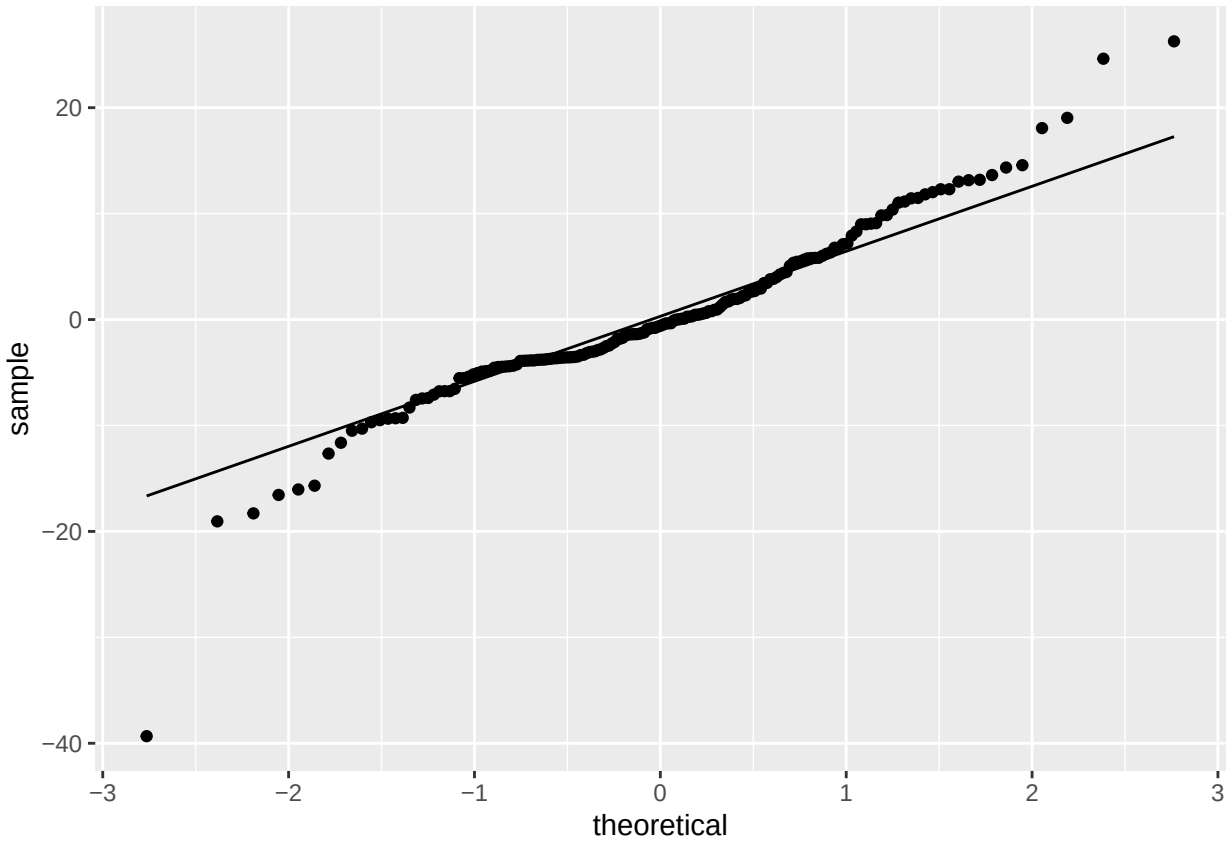
Number of divergences: 0

ASIS: MarshExclosure






25
0
−25
residual
0
50
100
150
observation id

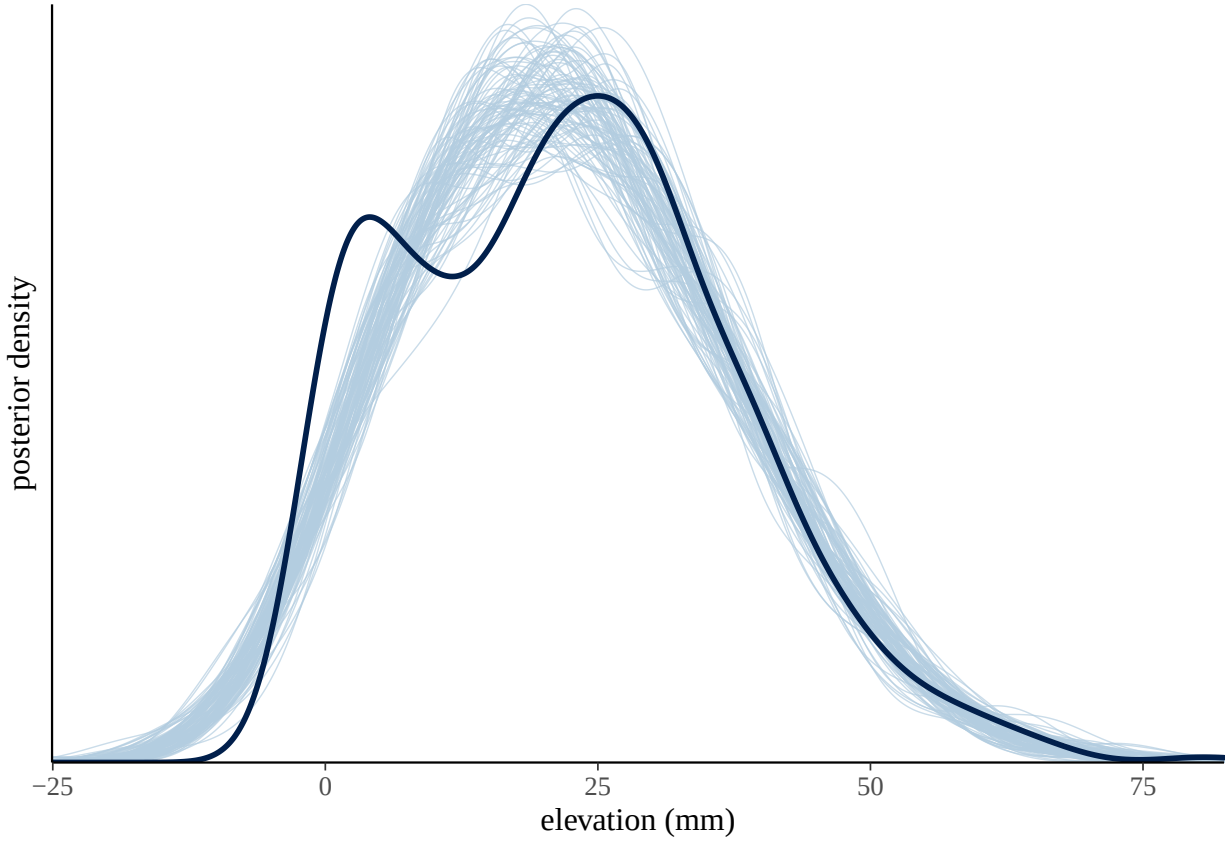


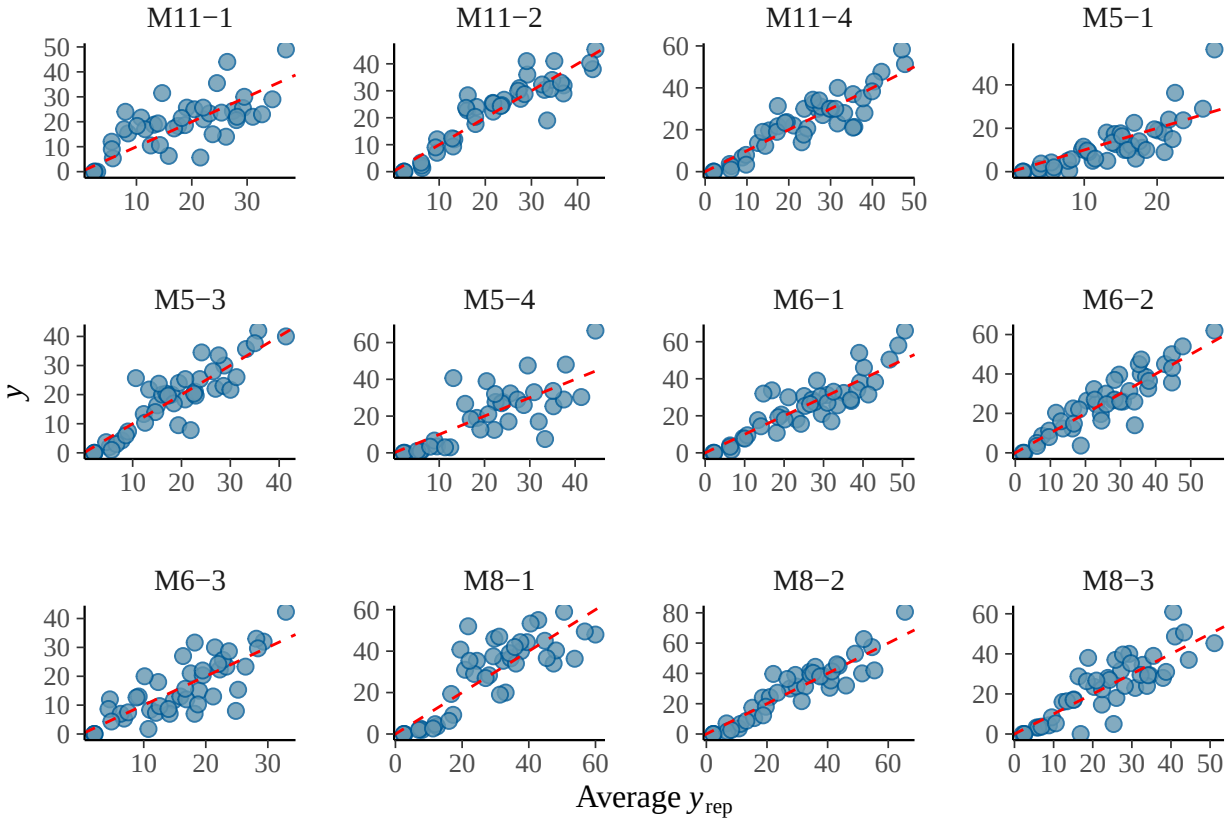
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.01	1.02
sd_set__year	1.01	1.01
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.01
r_set[M11-3,Intercept]	1.02	1.03
r_set[M5-2,Intercept]	1.00	1.01
r_set[M6-4,Intercept]	1.02	1.03
r_set[M8-4,Intercept]	1.00	1.01
r_set[M11-3,year]	1.00	1.00
r_set[M5-2,year]	1.00	1.01
r_set[M6-4,year]	1.00	1.00
r_set[M8-4,year]	1.00	1.00
r_set:horizon[M11-3_A,Intercept]	1.00	1.00
r_set:horizon[M11-3_B,Intercept]	1.00	1.00
r_set:horizon[M11-3_C,Intercept]	1.00	1.00

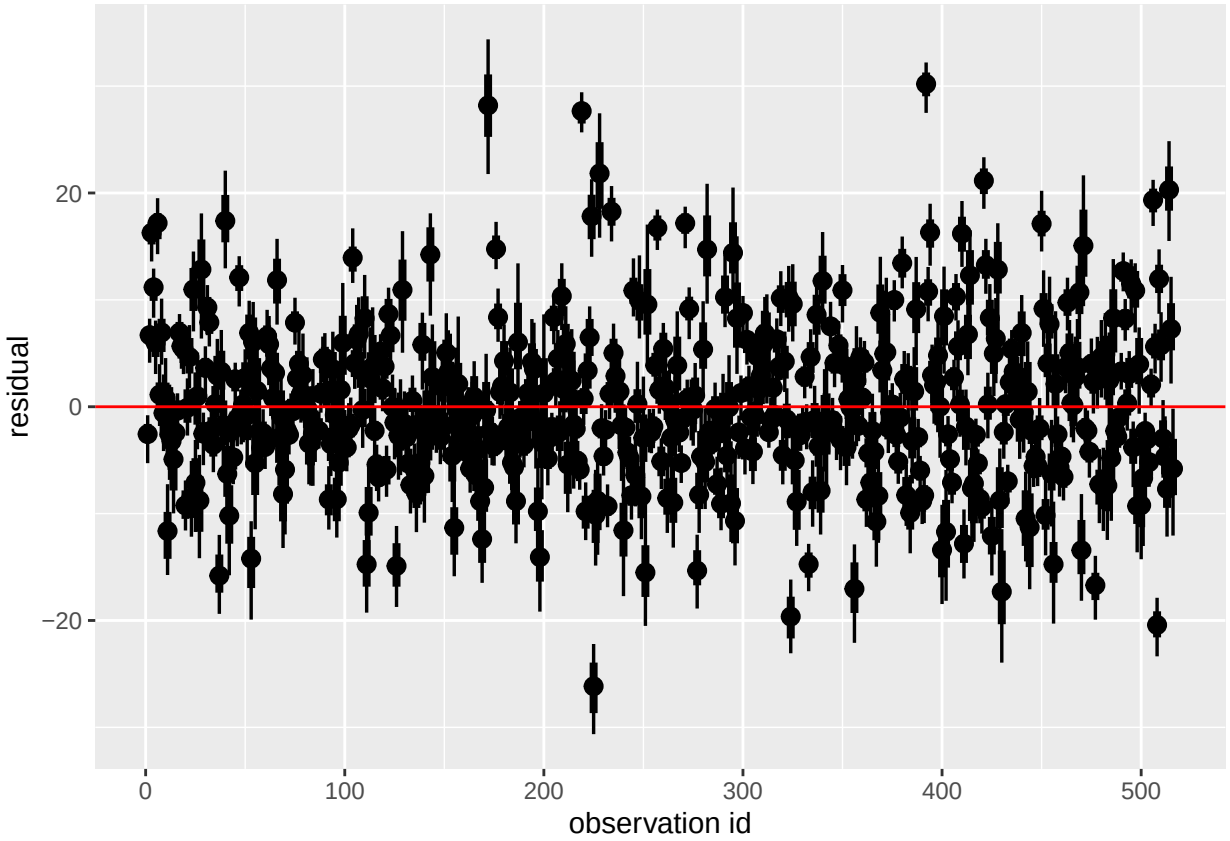
	Point est.	Upper C.I.
r_set:horizon[M5-2_A,Intercept]	1.00	1.00
r_set:horizon[M5-2_B,Intercept]	1.00	1.01
r_set:horizon[M5-2_C,Intercept]	1.00	1.01
r_set:horizon[M6-4_A,Intercept]	1.00	1.00
r_set:horizon[M6-4_B,Intercept]	1.00	1.00
r_set:horizon[M6-4_C,Intercept]	1.00	1.00
r_set:horizon[M8-4_A,Intercept]	1.00	1.01
r_set:horizon[M8-4_B,Intercept]	1.00	1.00
r_set:horizon[M8-4_C,Intercept]	1.01	1.01
r_set:horizon[M11-3_A,year]	1.00	1.00
r_set:horizon[M11-3_B,year]	1.00	1.00
r_set:horizon[M11-3_C,year]	1.00	1.01
r_set:horizon[M5-2_A,year]	1.00	1.00
r_set:horizon[M5-2_B,year]	1.00	1.00
r_set:horizon[M5-2_C,year]	1.00	1.00
r_set:horizon[M6-4_A,year]	1.00	1.00
r_set:horizon[M6-4_B,year]	1.00	1.00
r_set:horizon[M6-4_C,year]	1.00	1.00
r_set:horizon[M8-4_A,year]	1.00	1.01
r_set:horizon[M8-4_B,year]	1.00	1.00
r_set:horizon[M8-4_C,year]	1.00	1.01
lp___	1.01	1.02

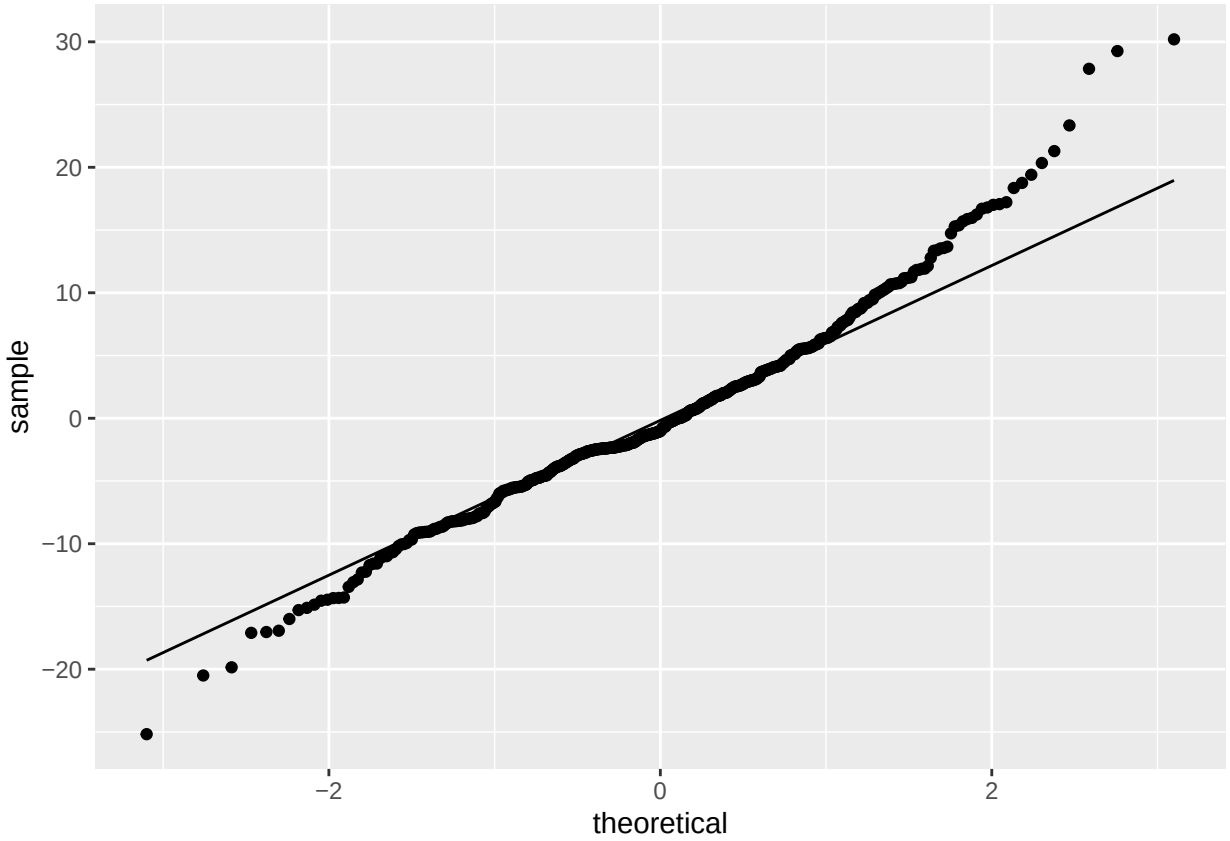
Number of divergences: 0

ASIS: Marshnon






residual
20
0
−20
0
100
200
300
400
500
observation id



	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.01	1.03
sd_set__Intercept	1.00	1.01
sd_set__year	1.01	1.02
sd_set:horizon__Intercept	1.00	1.01
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[M11-1,Intercept]	1.00	1.00
r_set[M11-2,Intercept]	1.00	1.00
r_set[M11-4,Intercept]	1.00	1.00
r_set[M5-1,Intercept]	1.00	1.01
r_set[M5-3,Intercept]	1.00	1.00
r_set[M5-4,Intercept]	1.00	1.00
r_set[M6-1,Intercept]	1.00	1.00
r_set[M6-2,Intercept]	1.00	1.00
r_set[M6-3,Intercept]	1.01	1.02
r_set[M8-1,Intercept]	1.00	1.01
r_set[M8-2,Intercept]	1.00	1.01

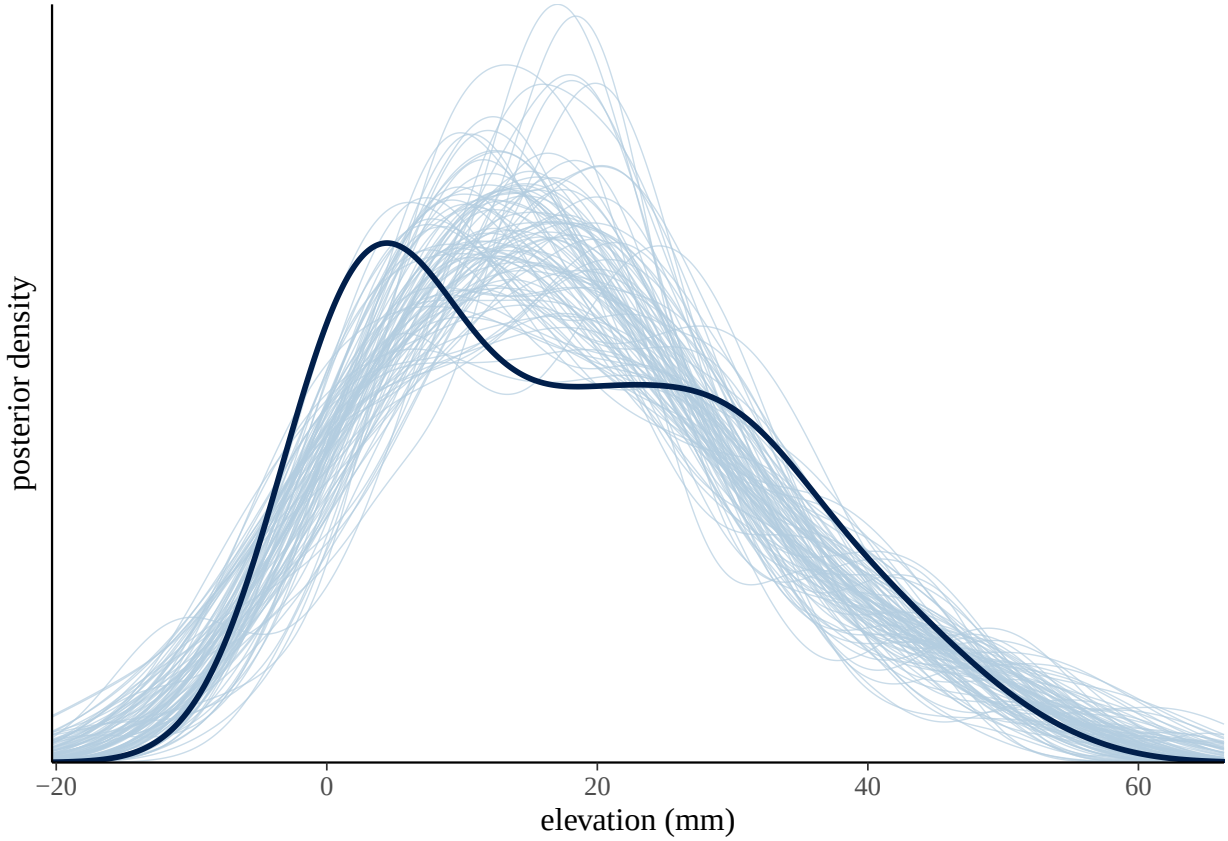
	Point est.	Upper C.I.
r_set[M8-3,Intercept]	1.00	1.01
r_set[M11-1,year]	1.00	1.02
r_set[M11-2,year]	1.00	1.02
r_set[M11-4,year]	1.00	1.01
r_set[M5-1,year]	1.00	1.01
r_set[M5-3,year]	1.00	1.01
r_set[M5-4,year]	1.00	1.02
r_set[M6-1,year]	1.00	1.01
r_set[M6-2,year]	1.00	1.01
r_set[M6-3,year]	1.01	1.02
r_set[M8-1,year]	1.00	1.01
r_set[M8-2,year]	1.00	1.02
r_set[M8-3,year]	1.00	1.01
r_set:horizon[M11-1_A,Intercept]	1.01	1.01
r_set:horizon[M11-1_B,Intercept]	1.00	1.00
r_set:horizon[M11-1_C,Intercept]	1.01	1.01
r_set:horizon[M11-2_A,Intercept]	1.01	1.01
r_set:horizon[M11-2_B,Intercept]	1.00	1.00
r_set:horizon[M11-2_C,Intercept]	1.00	1.00
r_set:horizon[M11-4_A,Intercept]	1.00	1.01
r_set:horizon[M11-4_B,Intercept]	1.01	1.01
r_set:horizon[M11-4_C,Intercept]	1.00	1.00
r_set:horizon[M5-1_A,Intercept]	1.00	1.00
r_set:horizon[M5-1_B,Intercept]	1.00	1.00
r_set:horizon[M5-1_C,Intercept]	1.00	1.00
r_set:horizon[M5-3_A,Intercept]	1.00	1.01
r_set:horizon[M5-3_B,Intercept]	1.01	1.01
r_set:horizon[M5-3_C,Intercept]	1.00	1.00
r_set:horizon[M5-4_A,Intercept]	1.01	1.01
r_set:horizon[M5-4_B,Intercept]	1.00	1.00
r_set:horizon[M5-4_C,Intercept]	1.00	1.00
r_set:horizon[M6-1_A,Intercept]	1.00	1.00
r_set:horizon[M6-1_B,Intercept]	1.00	1.01
r_set:horizon[M6-1_C,Intercept]	1.00	1.00
r_set:horizon[M6-2_A,Intercept]	1.01	1.01
r_set:horizon[M6-2_B,Intercept]	1.00	1.00
r_set:horizon[M6-2_C,Intercept]	1.00	1.00
r_set:horizon[M6-3_A,Intercept]	1.00	1.00
r_set:horizon[M6-3_B,Intercept]	1.00	1.00
r_set:horizon[M6-3_C,Intercept]	1.00	1.00
r_set:horizon[M8-1_A,Intercept]	1.00	1.00
r_set:horizon[M8-1_B,Intercept]	1.00	1.00
r_set:horizon[M8-1_C,Intercept]	1.00	1.00

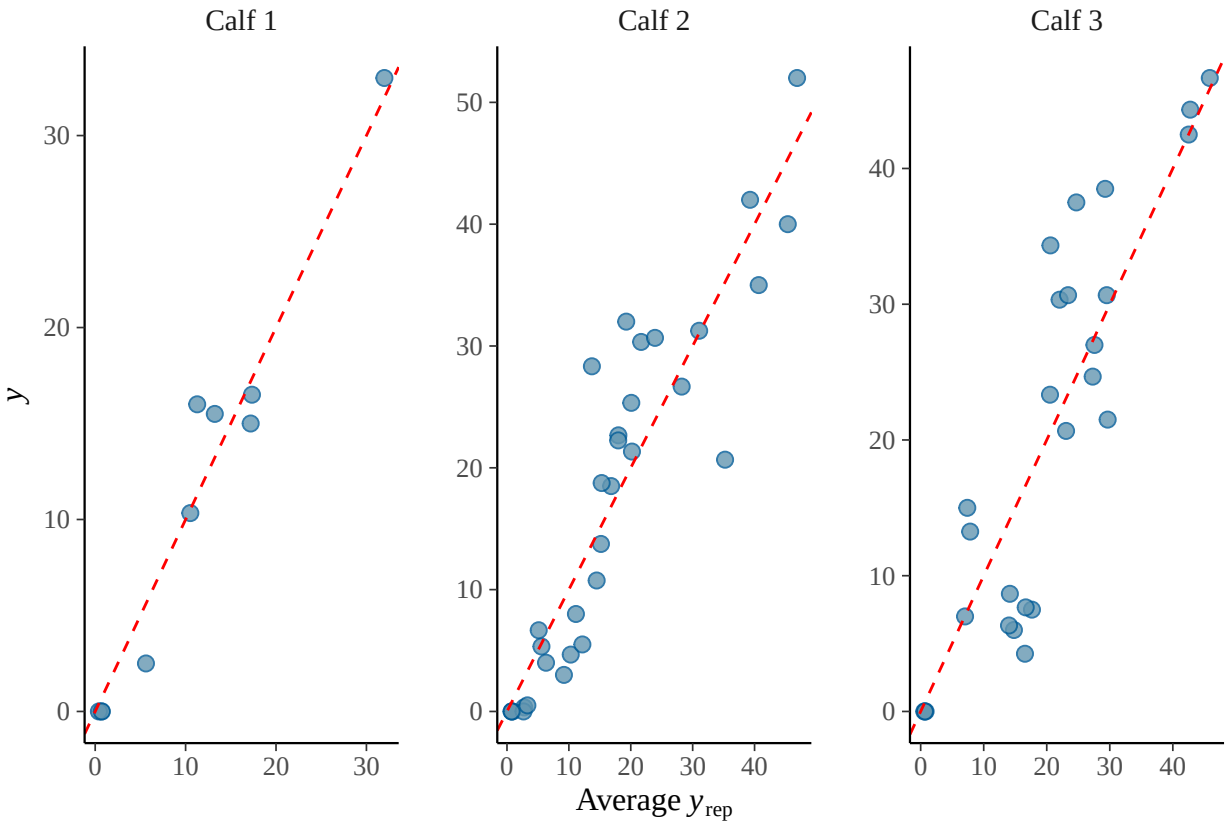
	Point est.	Upper C.I.
r_set:horizon[M8-2_A,Intercept]	1.00	1.00
r_set:horizon[M8-2_B,Intercept]	1.00	1.00
r_set:horizon[M8-2_C,Intercept]	1.00	1.01
r_set:horizon[M8-3_A,Intercept]	1.00	1.00
r_set:horizon[M8-3_B,Intercept]	1.01	1.01
r_set:horizon[M8-3_C,Intercept]	1.00	1.01
r_set:horizon[M11-1_A,year]	1.00	1.00
r_set:horizon[M11-1_B,year]	1.00	1.00
r_set:horizon[M11-1_C,year]	1.00	1.00
r_set:horizon[M11-2_A,year]	1.00	1.00
r_set:horizon[M11-2_B,year]	1.00	1.00
r_set:horizon[M11-2_C,year]	1.00	1.01
r_set:horizon[M11-4_A,year]	1.00	1.00
r_set:horizon[M11-4_B,year]	1.00	1.00
r_set:horizon[M11-4_C,year]	1.00	1.01
r_set:horizon[M5-1_A,year]	1.00	1.00
r_set:horizon[M5-1_B,year]	1.00	1.00
r_set:horizon[M5-1_C,year]	1.00	1.00
r_set:horizon[M5-3_A,year]	1.00	1.00
r_set:horizon[M5-3_B,year]	1.00	1.00
r_set:horizon[M5-3_C,year]	1.00	1.00
r_set:horizon[M5-4_A,year]	1.00	1.00
r_set:horizon[M5-4_B,year]	1.00	1.01
r_set:horizon[M5-4_C,year]	1.00	1.00
r_set:horizon[M6-1_A,year]	1.00	1.00
r_set:horizon[M6-1_B,year]	1.00	1.00
r_set:horizon[M6-1_C,year]	1.00	1.00
r_set:horizon[M6-2_A,year]	1.00	1.00
r_set:horizon[M6-2_B,year]	1.00	1.00
r_set:horizon[M6-2_C,year]	1.00	1.00
r_set:horizon[M6-3_A,year]	1.00	1.00
r_set:horizon[M6-3_B,year]	1.00	1.00
r_set:horizon[M6-3_C,year]	1.00	1.01
r_set:horizon[M8-1_A,year]	1.00	1.00
r_set:horizon[M8-1_B,year]	1.00	1.00
r_set:horizon[M8-1_C,year]	1.00	1.00
r_set:horizon[M8-2_A,year]	1.00	1.00
r_set:horizon[M8-2_B,year]	1.00	1.00
r_set:horizon[M8-2_C,year]	1.00	1.00
r_set:horizon[M8-3_A,year]	1.00	1.01
r_set:horizon[M8-3_B,year]	1.00	1.00
r_set:horizon[M8-3_C,year]	1.00	1.00

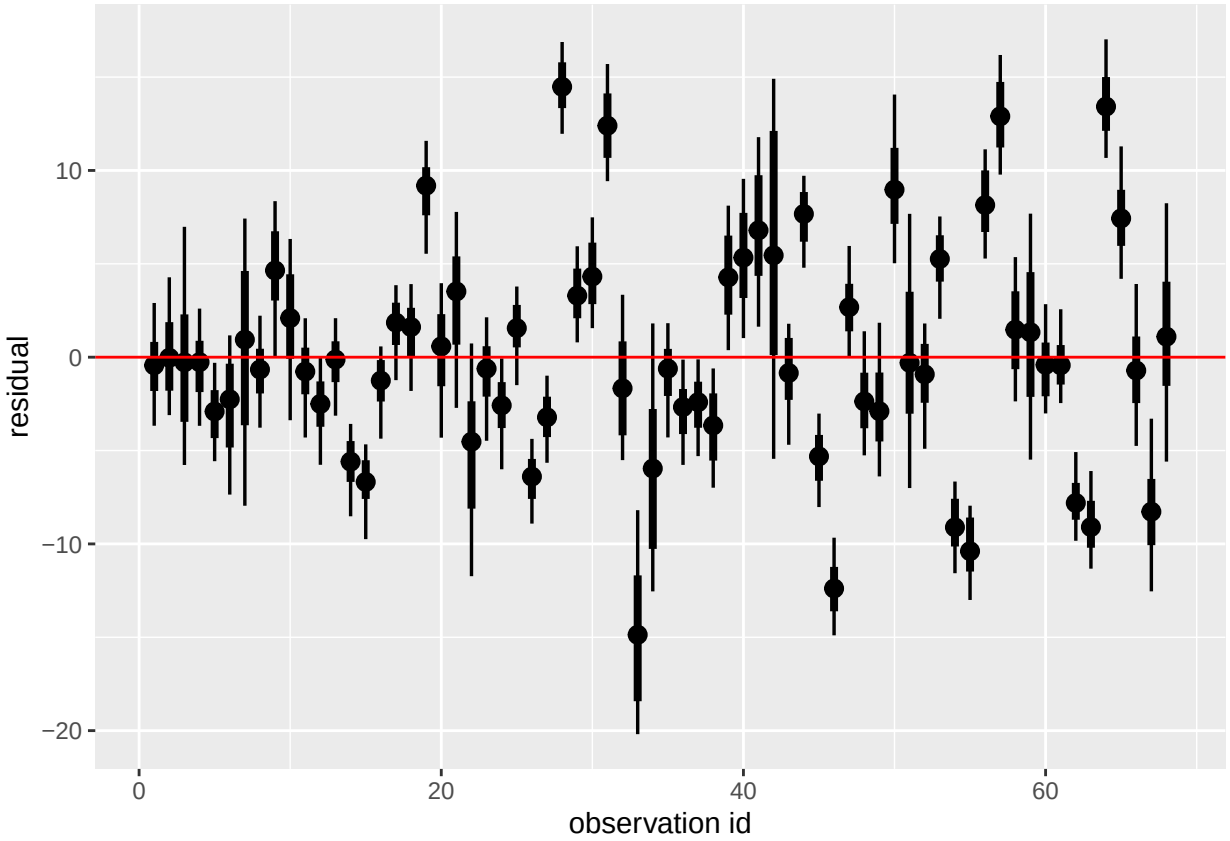
	Point est.	Upper C.I.
lp___	1.00	1.01

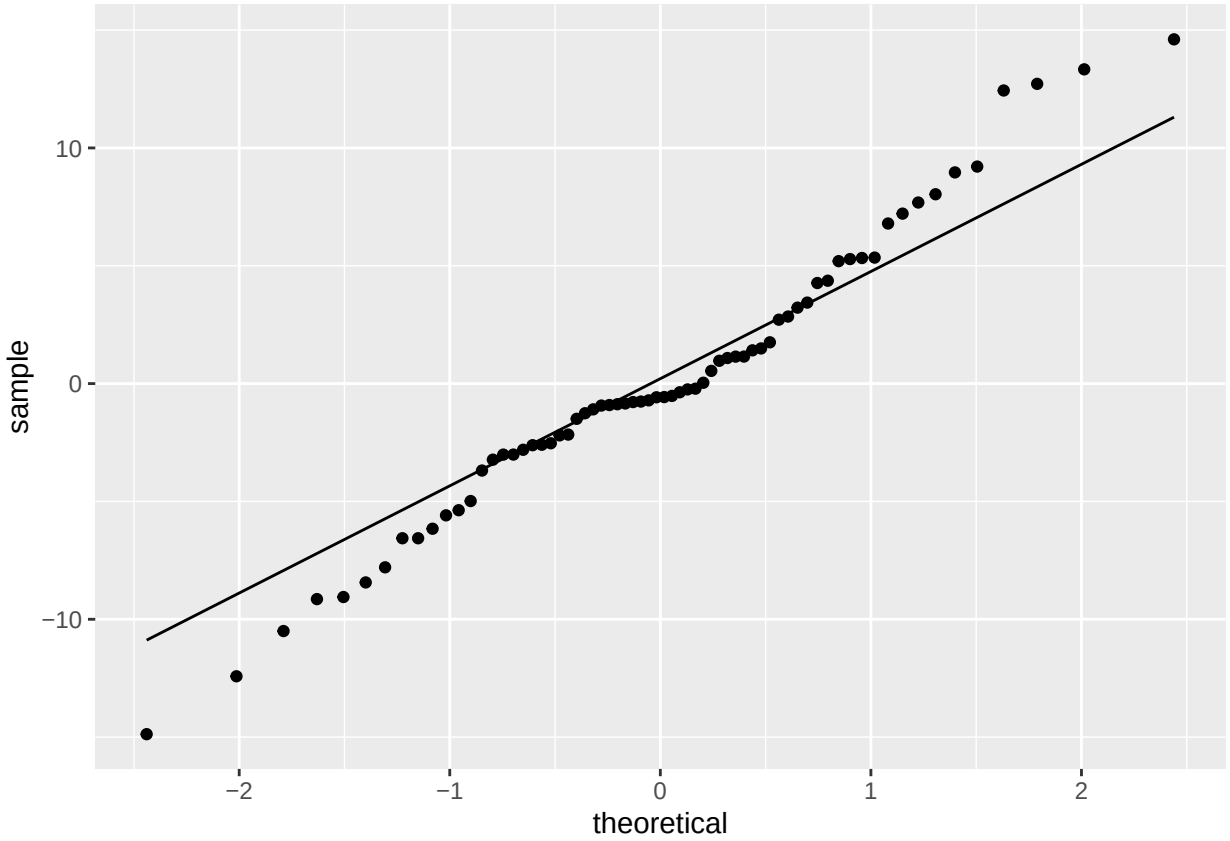
Number of divergences: 0

BOHA: CalfIsland






residual
10
0
−10
−20
0
20
40
60
observation id

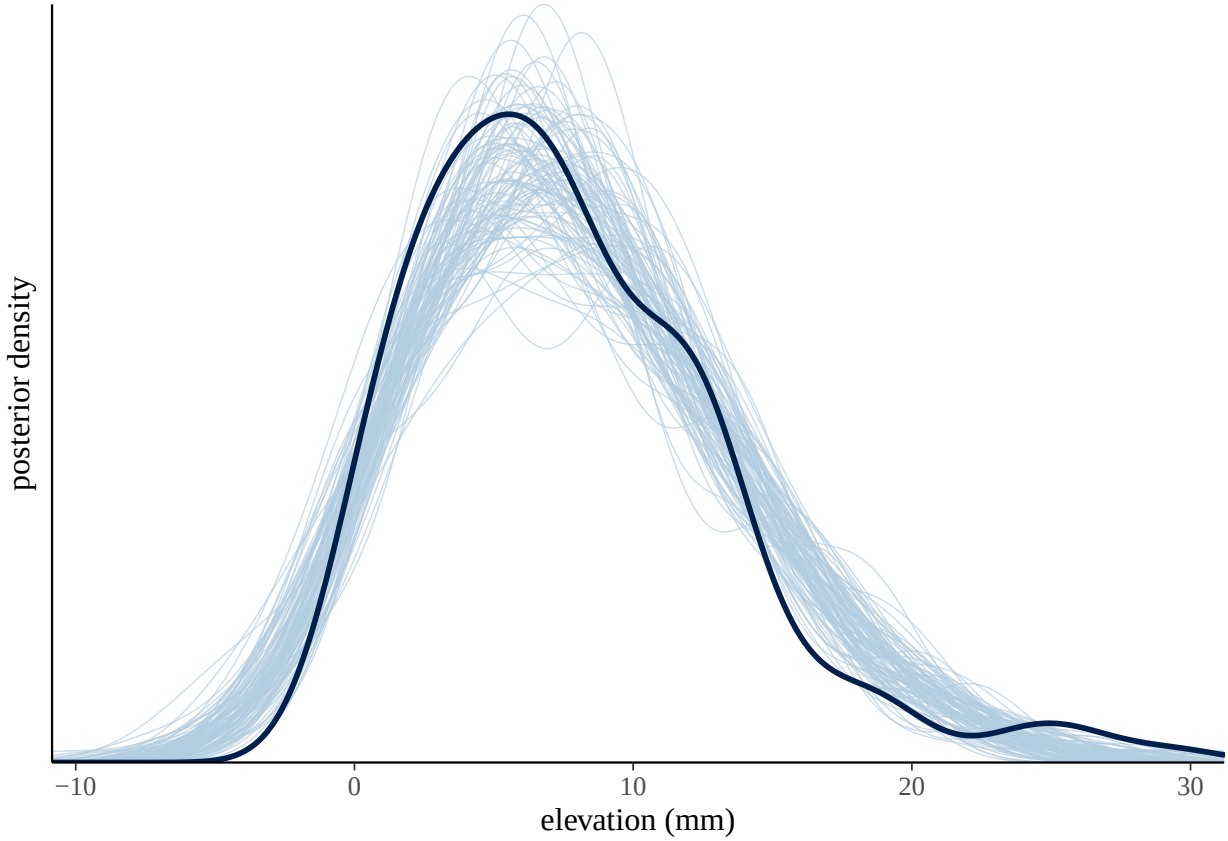


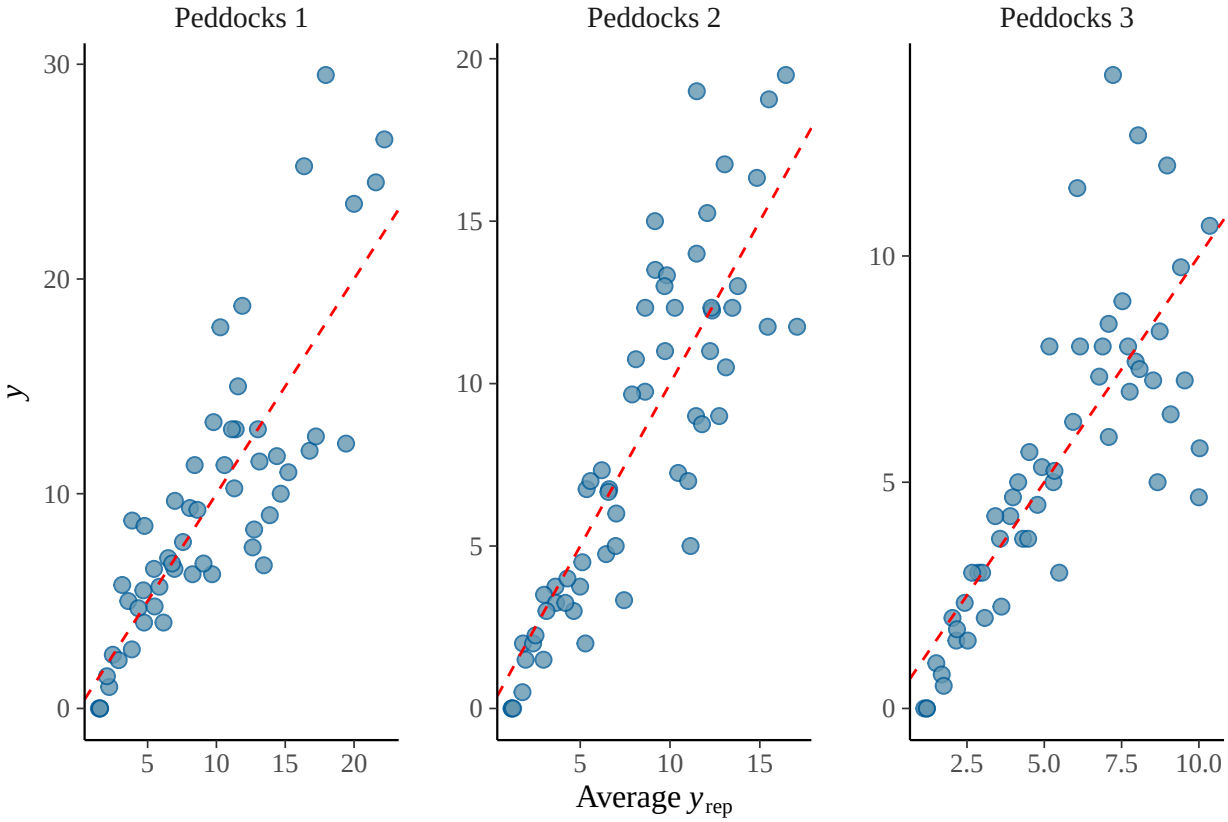
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.02	1.02
sd_set__year	1.01	1.03
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.01	1.01
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Calf.1,Intercept]	1.00	1.01
r_set[Calf.2,Intercept]	1.00	1.00
r_set[Calf.3,Intercept]	1.00	1.00
r_set[Calf.1,year]	1.00	1.00
r_set[Calf.2,year]	1.00	1.01
r_set[Calf.3,year]	1.00	1.01
r_set:horizon[Calf.1_A,Intercept]	1.00	1.01
r_set:horizon[Calf.1_B,Intercept]	1.00	1.00
r_set:horizon[Calf.1_C,Intercept]	1.01	1.01
r_set:horizon[Calf.2_A,Intercept]	1.00	1.01
r_set:horizon[Calf.2_B,Intercept]	1.00	1.00

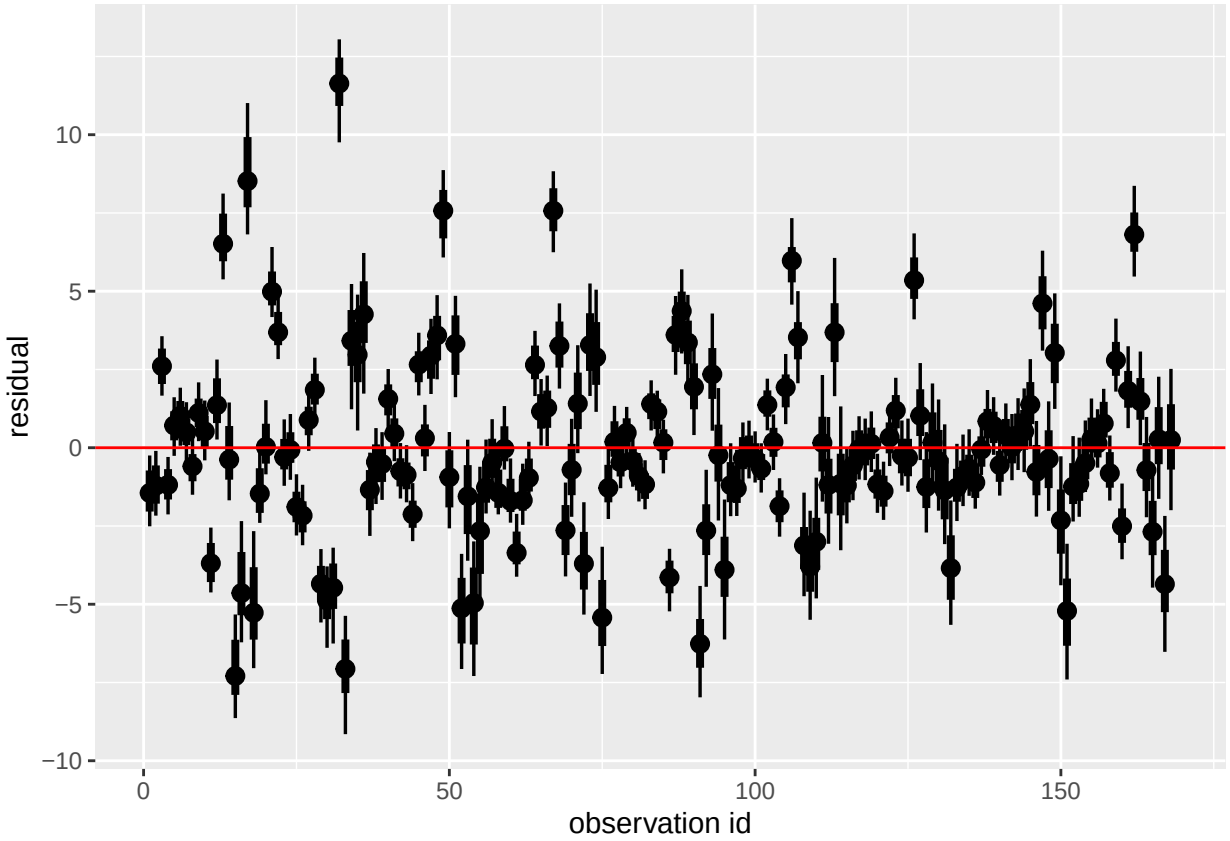
	Point est.	Upper C.I.
r_set:horizon[Calf.2_C,Intercept]	1.01	1.01
r_set:horizon[Calf.3_A,Intercept]	1.00	1.00
r_set:horizon[Calf.3_B,Intercept]	1.01	1.01
r_set:horizon[Calf.3_C,Intercept]	1.01	1.01
r_set:horizon[Calf.1_A,year]	1.00	1.00
r_set:horizon[Calf.1_B,year]	1.00	1.01
r_set:horizon[Calf.1_C,year]	1.00	1.00
r_set:horizon[Calf.2_A,year]	1.00	1.00
r_set:horizon[Calf.2_B,year]	1.00	1.00
r_set:horizon[Calf.2_C,year]	1.00	1.01
r_set:horizon[Calf.3_A,year]	1.00	1.01
r_set:horizon[Calf.3_B,year]	1.00	1.00
r_set:horizon[Calf.3_C,year]	1.00	1.01
lp___	1.00	1.00

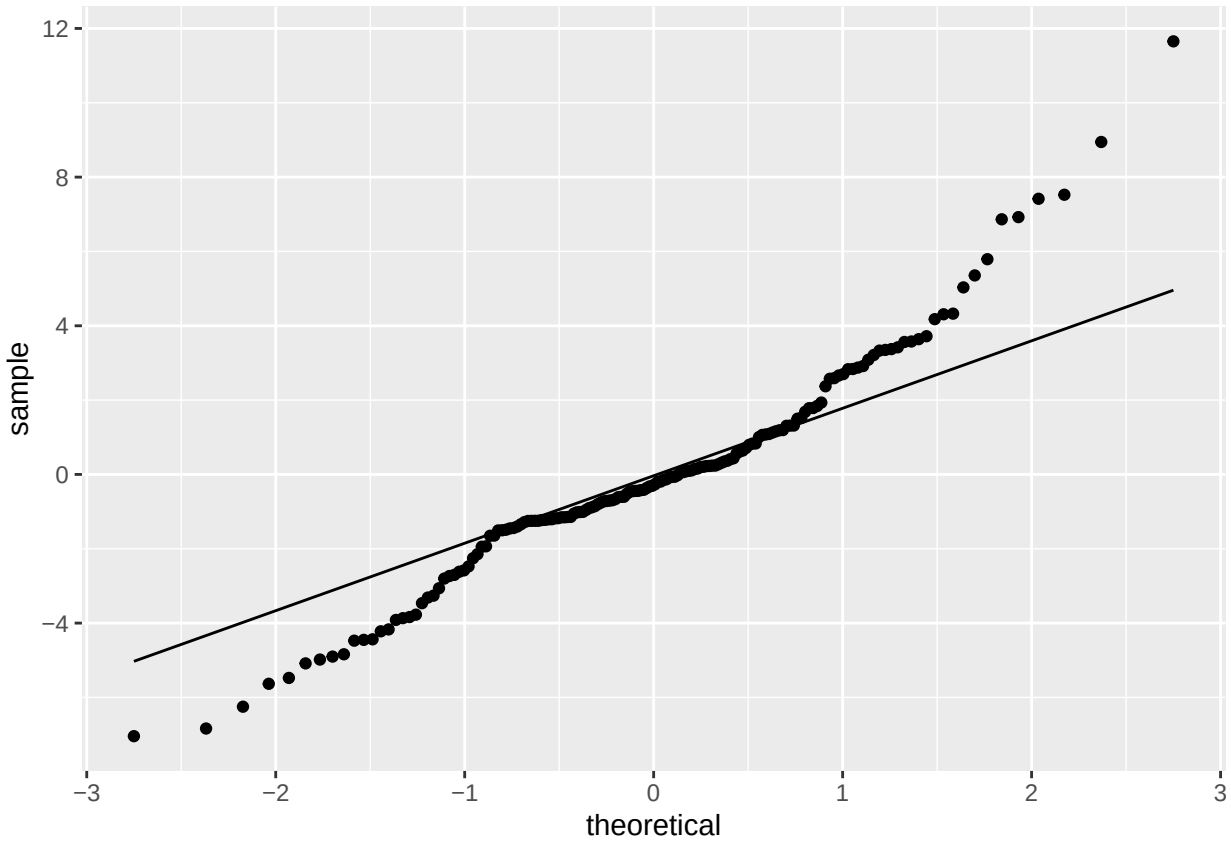
Number of divergences: 1

BOHA: PeddocksIsland






residual
10
5
0
−5
−10
0
50
100
150
observation id

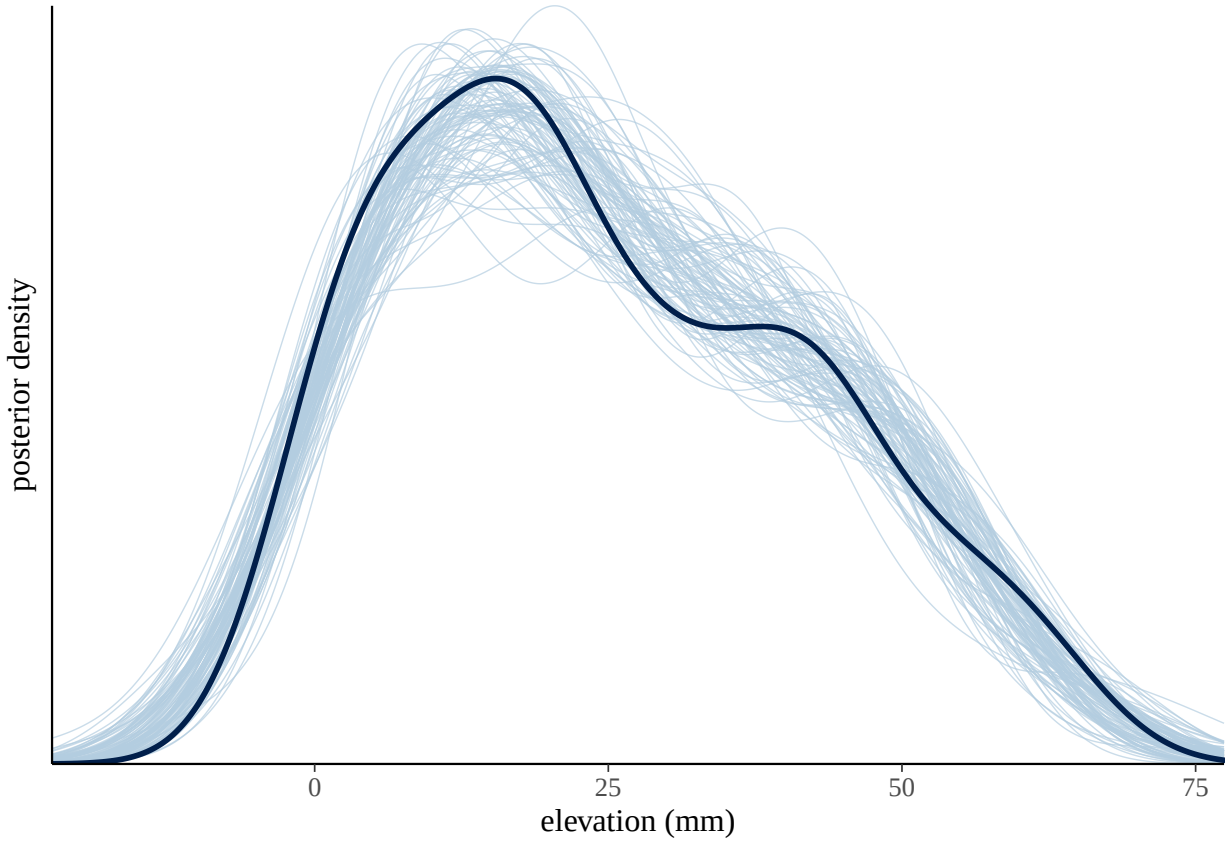


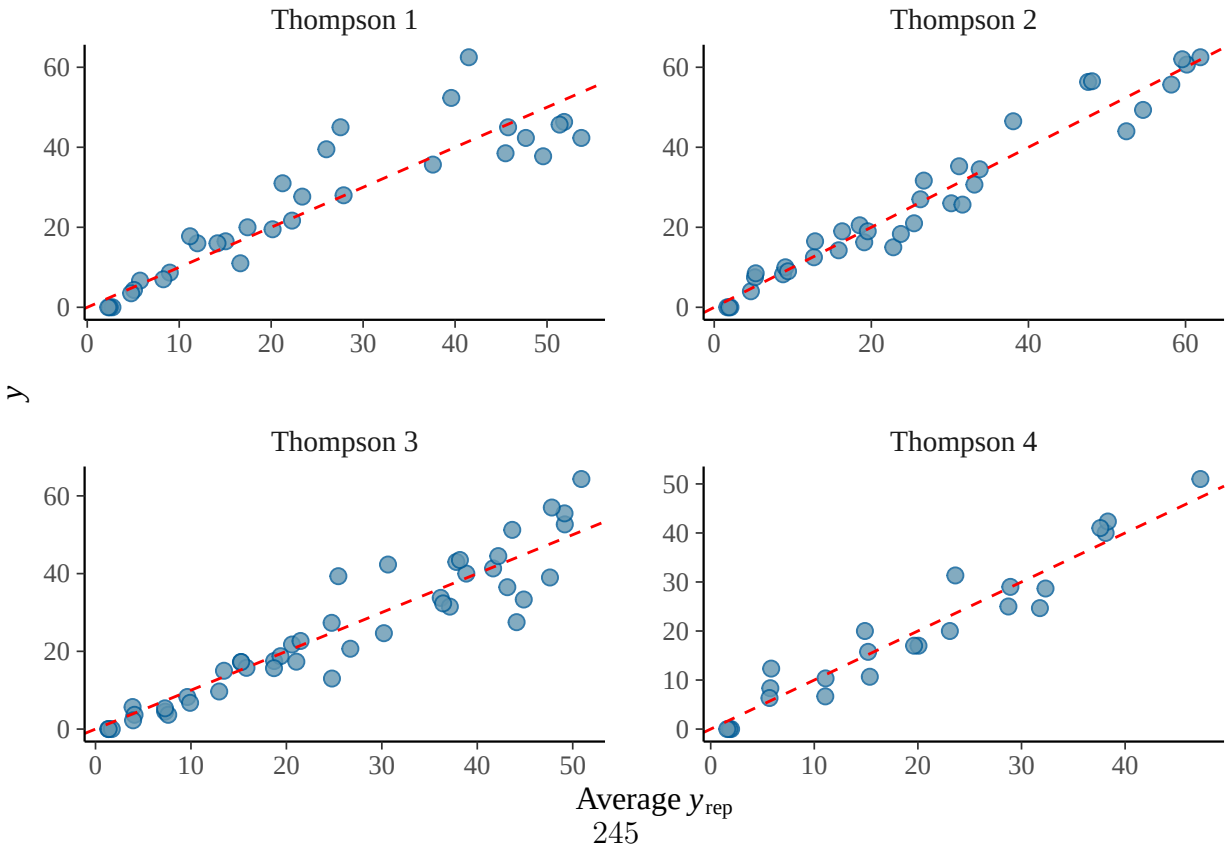
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set___Intercept	1.00	1.00
sd_set___year	1.00	1.01
sd_set:horizon___Intercept	1.00	1.00
sd_set:horizon___year	1.00	1.01
cor_set___Intercept___year	1.00	1.00
cor_set:horizon___Intercept___year	1.00	1.00
sigma	1.00	1.00
r_set[Peddocks.1,Intercept]	1.01	1.01
r_set[Peddocks.2,Intercept]	1.00	1.00
r_set[Peddocks.3,Intercept]	1.00	1.00
r_set[Peddocks.1,year]	1.00	1.01
r_set[Peddocks.2,year]	1.00	1.00
r_set[Peddocks.3,year]	1.00	1.01
r_set:horizon[Peddocks.1_A,Intercept]	1.00	1.01
r_set:horizon[Peddocks.1_B,Intercept]	1.00	1.00
r_set:horizon[Peddocks.1_C,Intercept]	1.00	1.00
r_set:horizon[Peddocks.2_A,Intercept]	1.00	1.00
r_set:horizon[Peddocks.2_B,Intercept]	1.00	1.00

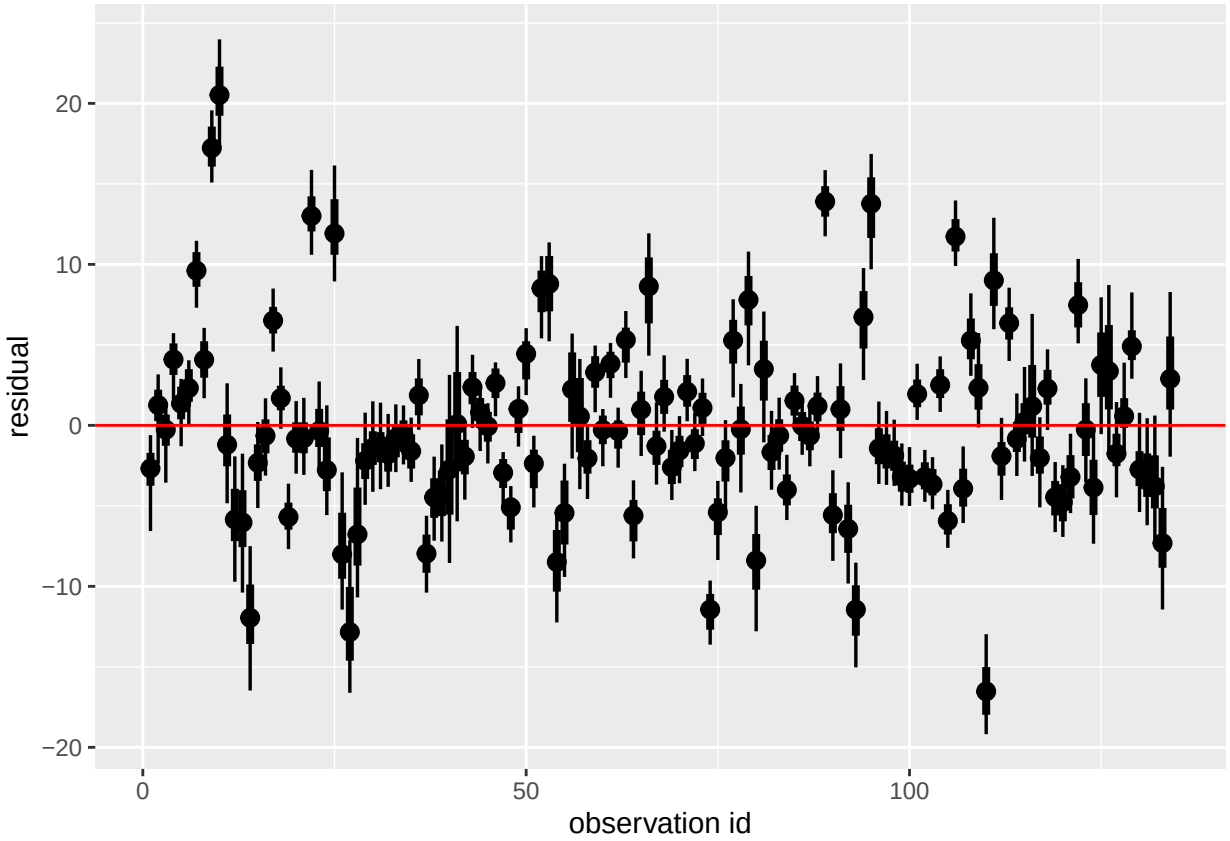
	Point est.	Upper C.I.
r_set:horizon[Peddocks.2_C,Intercept]	1.00	1.00
r_set:horizon[Peddocks.3_A,Intercept]	1.00	1.00
r_set:horizon[Peddocks.3_B,Intercept]	1.00	1.00
r_set:horizon[Peddocks.3_C,Intercept]	1.00	1.00
r_set:horizon[Peddocks.1_A,year]	1.00	1.00
r_set:horizon[Peddocks.1_B,year]	1.00	1.01
r_set:horizon[Peddocks.1_C,year]	1.00	1.00
r_set:horizon[Peddocks.2_A,year]	1.00	1.01
r_set:horizon[Peddocks.2_B,year]	1.00	1.01
r_set:horizon[Peddocks.2_C,year]	1.00	1.00
r_set:horizon[Peddocks.3_A,year]	1.00	1.00
r_set:horizon[Peddocks.3_B,year]	1.00	1.00
r_set:horizon[Peddocks.3_C,year]	1.00	1.00
lp___	1.00	1.01

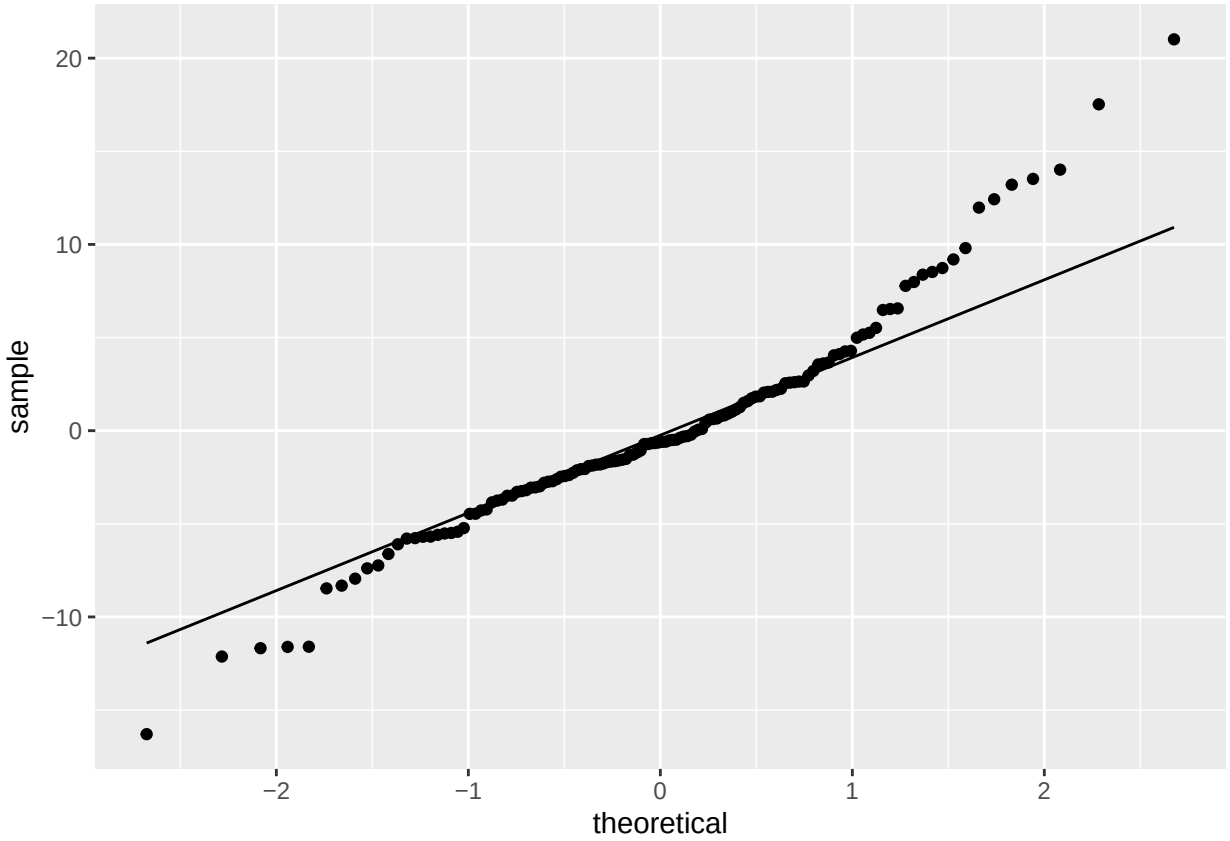
Number of divergences: 1

BOHA: ThompsonIsland






20
10
0
−10
−20
residual
0
50
100
observation id

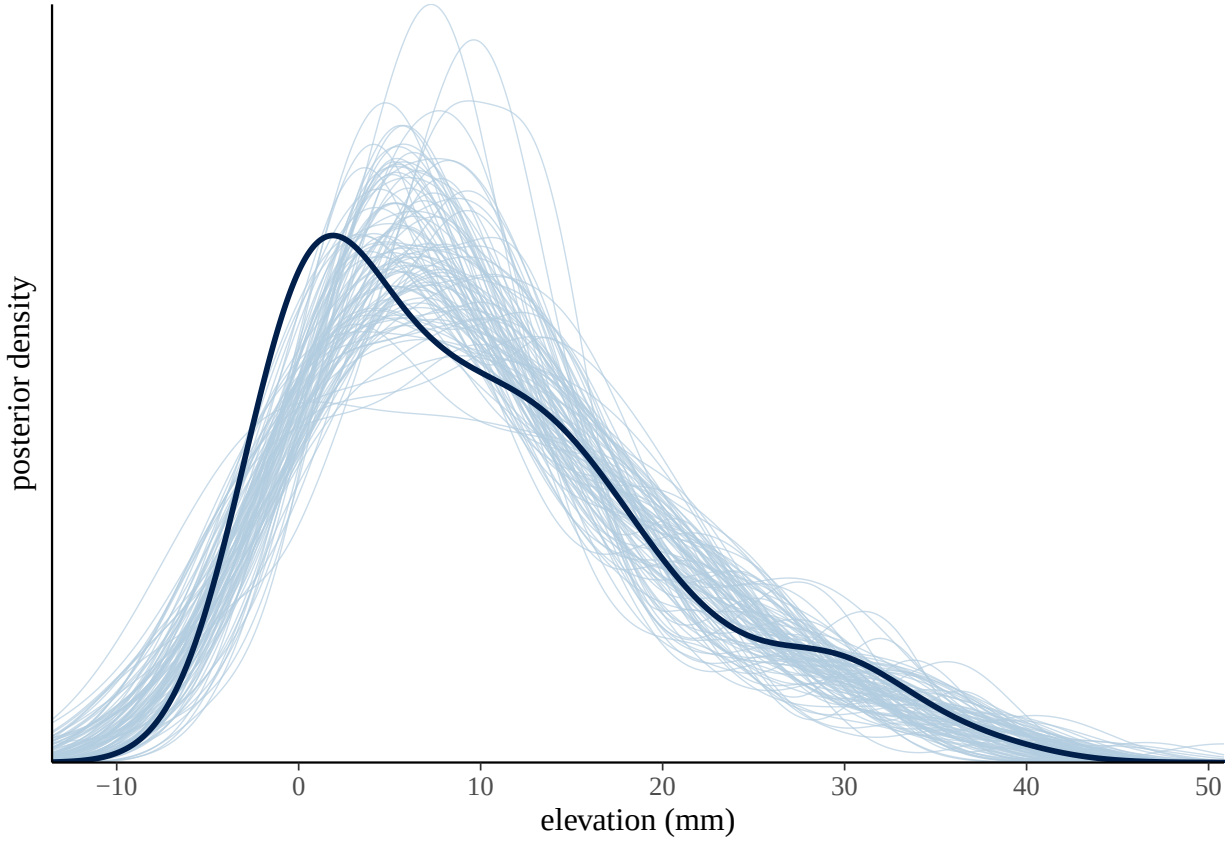


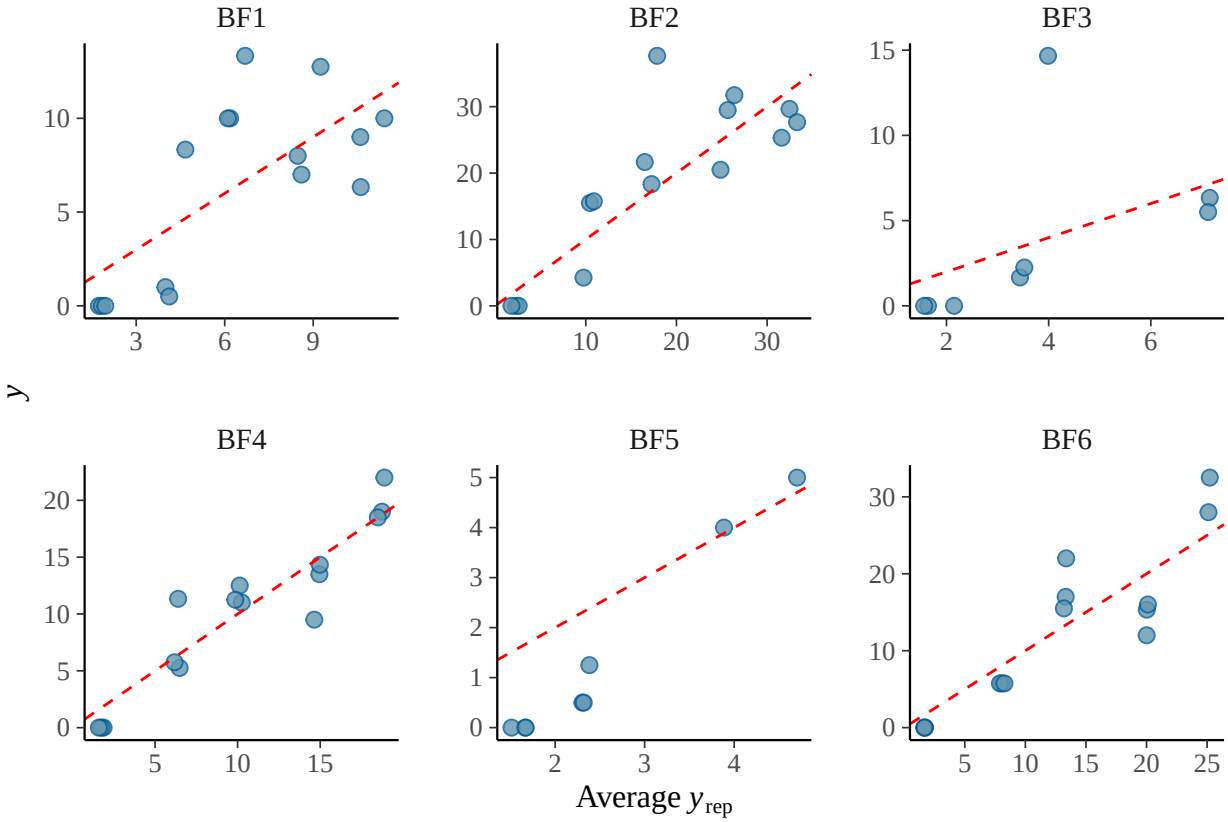
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.01
sd_set__Intercept	1.01	1.01
sd_set__year	1.00	1.01
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Thompson.1,Intercept]	1.00	1.00
r_set[Thompson.2,Intercept]	1.00	1.01
r_set[Thompson.3,Intercept]	1.00	1.01
r_set[Thompson.4,Intercept]	1.00	1.00
r_set[Thompson.1,year]	1.00	1.00
r_set[Thompson.2,year]	1.00	1.00
r_set[Thompson.3,year]	1.00	1.01
r_set[Thompson.4,year]	1.00	1.00
r_set:horizon[Thompson.1_A,Intercept]	1.01	1.01
r_set:horizon[Thompson.1_B,Intercept]	1.00	1.00
r_set:horizon[Thompson.1_C,Intercept]	1.00	1.00

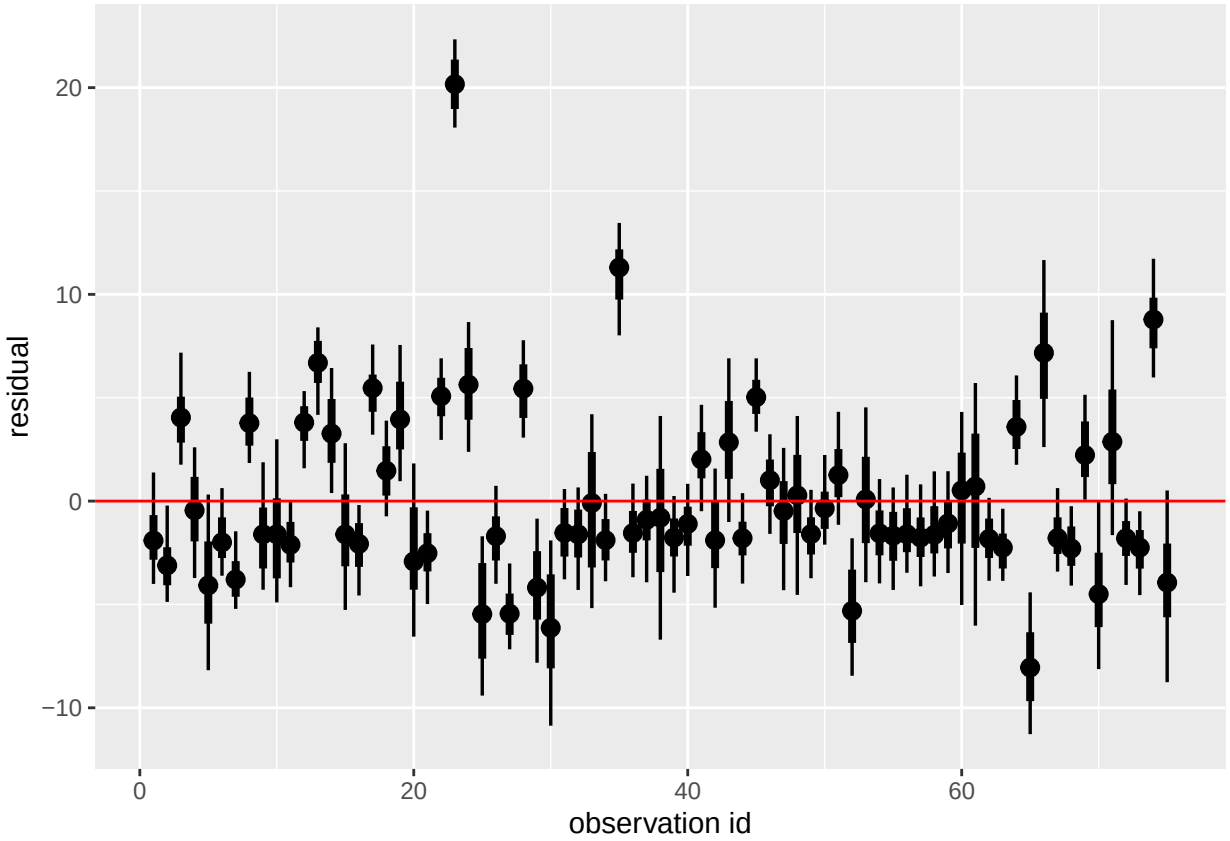
	Point est.	Upper C.I.
r_set:horizon[Thompson.2_A,Intercept]	1.00	1.00
r_set:horizon[Thompson.2_B,Intercept]	1.00	1.00
r_set:horizon[Thompson.2_C,Intercept]	1.00	1.01
r_set:horizon[Thompson.3_A,Intercept]	1.00	1.00
r_set:horizon[Thompson.3_B,Intercept]	1.00	1.00
r_set:horizon[Thompson.3_C,Intercept]	1.00	1.00
r_set:horizon[Thompson.4_A,Intercept]	1.00	1.01
r_set:horizon[Thompson.4_B,Intercept]	1.00	1.00
r_set:horizon[Thompson.4_C,Intercept]	1.00	1.00
r_set:horizon[Thompson.1_A,year]	1.00	1.01
r_set:horizon[Thompson.1_B,year]	1.00	1.00
r_set:horizon[Thompson.1_C,year]	1.00	1.00
r_set:horizon[Thompson.2_A,year]	1.00	1.01
r_set:horizon[Thompson.2_B,year]	1.00	1.00
r_set:horizon[Thompson.2_C,year]	1.00	1.00
r_set:horizon[Thompson.3_A,year]	1.00	1.00
r_set:horizon[Thompson.3_B,year]	1.00	1.01
r_set:horizon[Thompson.3_C,year]	1.00	1.00
r_set:horizon[Thompson.4_A,year]	1.00	1.00
r_set:horizon[Thompson.4_B,year]	1.00	1.00
r_set:horizon[Thompson.4_C,year]	1.00	1.01
lp___	1.00	1.00

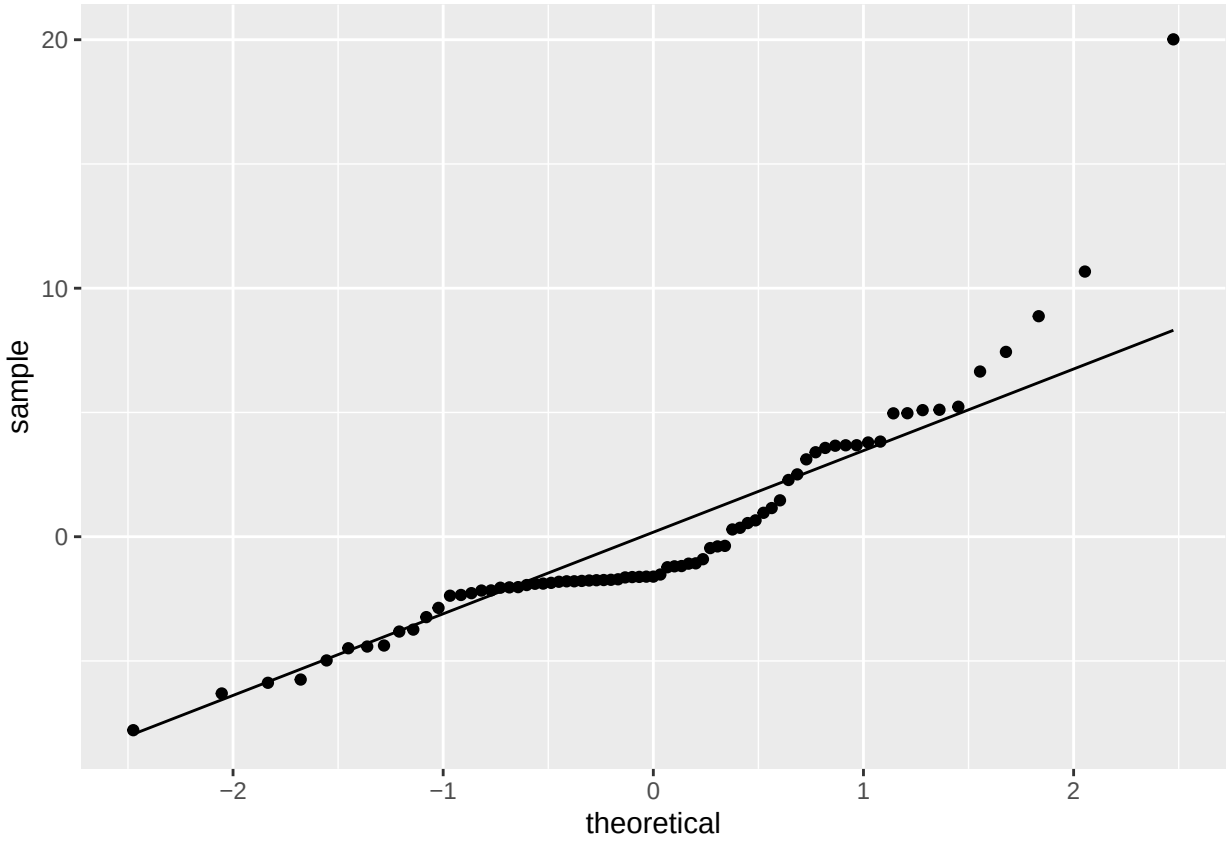
Number of divergences: 1

CACO: BlackfishCreek






residual
20
10
0
−10
0
20
40
60
observation id

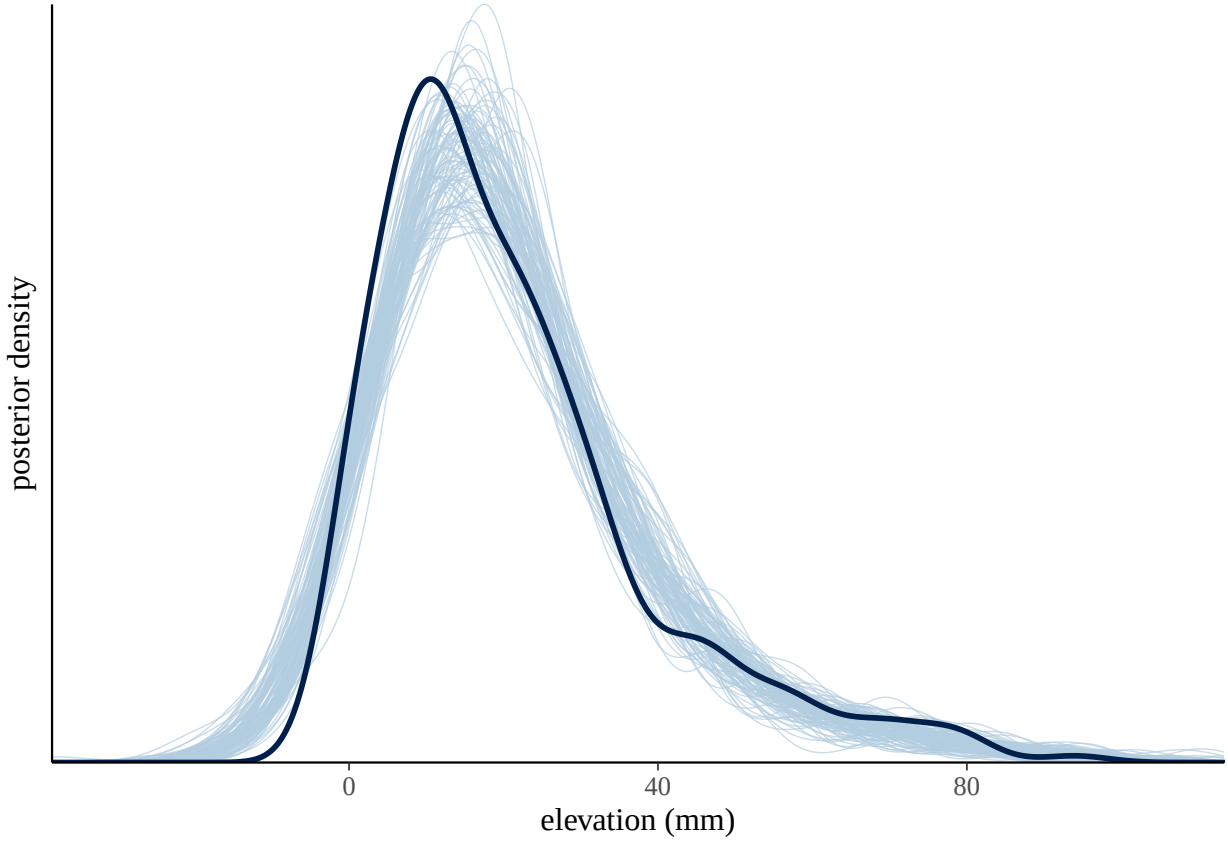


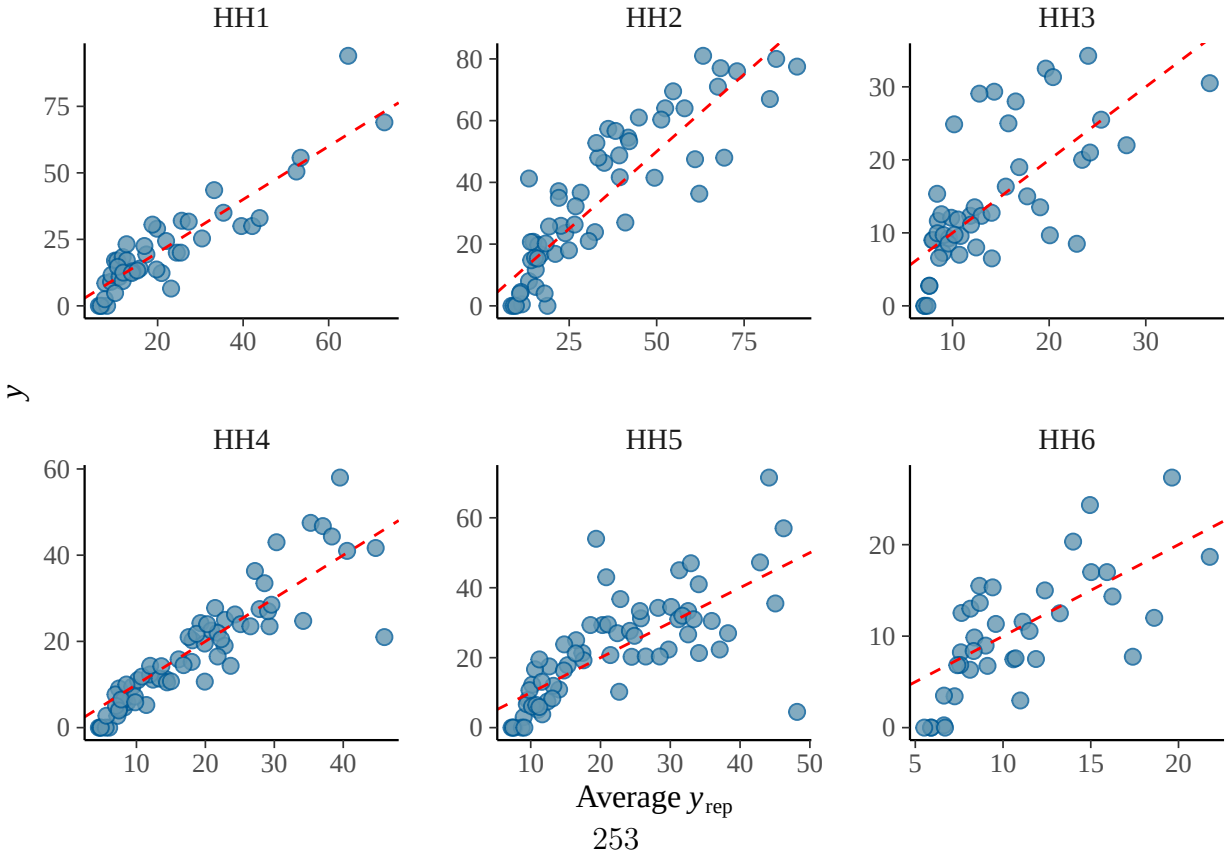
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.00	1.00
sd_set__Intercept	1.00	1.00
sd_set__year	1.00	1.01
sd_set:horizon__Intercept	1.01	1.02
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.02
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[BF1,Intercept]	1.00	1.00
r_set[BF2,Intercept]	1.01	1.01
r_set[BF3,Intercept]	1.00	1.00
r_set[BF4,Intercept]	1.00	1.00
r_set[BF5,Intercept]	1.00	1.01
r_set[BF6,Intercept]	1.00	1.00
r_set[BF1,year]	1.00	1.00
r_set[BF2,year]	1.00	1.00
r_set[BF3,year]	1.00	1.00
r_set[BF4,year]	1.00	1.00
r_set[BF5,year]	1.00	1.00

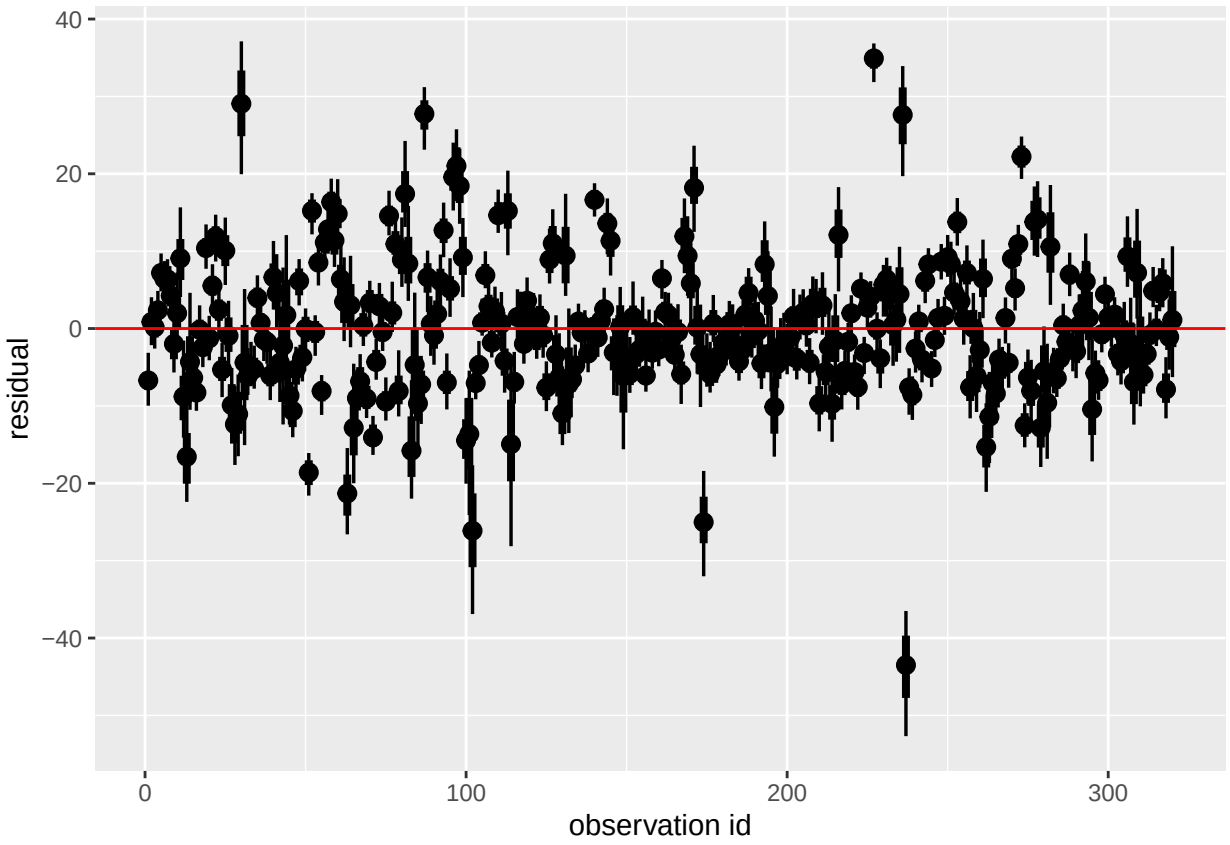
	Point est.	Upper C.I.
r_set[BF6,year]	1.00	1.00
r_set:horizon[BF1_A,Intercept]	1.00	1.01
r_set:horizon[BF1_B,Intercept]	1.00	1.00
r_set:horizon[BF1_C,Intercept]	1.00	1.01
r_set:horizon[BF2_A,Intercept]	1.00	1.01
r_set:horizon[BF2_B,Intercept]	1.00	1.01
r_set:horizon[BF2_C,Intercept]	1.01	1.01
r_set:horizon[BF3_A,Intercept]	1.00	1.01
r_set:horizon[BF3_B,Intercept]	1.01	1.02
r_set:horizon[BF3_C,Intercept]	1.00	1.00
r_set:horizon[BF4_A,Intercept]	1.00	1.00
r_set:horizon[BF4_B,Intercept]	1.00	1.00
r_set:horizon[BF4_C,Intercept]	1.00	1.00
r_set:horizon[BF5_A,Intercept]	1.00	1.01
r_set:horizon[BF5_B,Intercept]	1.00	1.01
r_set:horizon[BF5_C,Intercept]	1.02	1.02
r_set:horizon[BF6_A,Intercept]	1.00	1.00
r_set:horizon[BF6_B,Intercept]	1.00	1.00
r_set:horizon[BF6_C,Intercept]	1.01	1.01
r_set:horizon[BF1_A,year]	1.00	1.01
r_set:horizon[BF1_B,year]	1.00	1.00
r_set:horizon[BF1_C,year]	1.00	1.01
r_set:horizon[BF2_A,year]	1.00	1.00
r_set:horizon[BF2_B,year]	1.00	1.00
r_set:horizon[BF2_C,year]	1.00	1.00
r_set:horizon[BF3_A,year]	1.01	1.02
r_set:horizon[BF3_B,year]	1.00	1.00
r_set:horizon[BF3_C,year]	1.00	1.00
r_set:horizon[BF4_A,year]	1.00	1.00
r_set:horizon[BF4_B,year]	1.01	1.01
r_set:horizon[BF4_C,year]	1.00	1.00
r_set:horizon[BF5_A,year]	1.01	1.01
r_set:horizon[BF5_B,year]	1.00	1.00
r_set:horizon[BF5_C,year]	1.00	1.00
r_set:horizon[BF6_A,year]	1.01	1.01
r_set:horizon[BF6_B,year]	1.00	1.01
r_set:horizon[BF6_C,year]	1.01	1.01
lp___	1.00	1.02

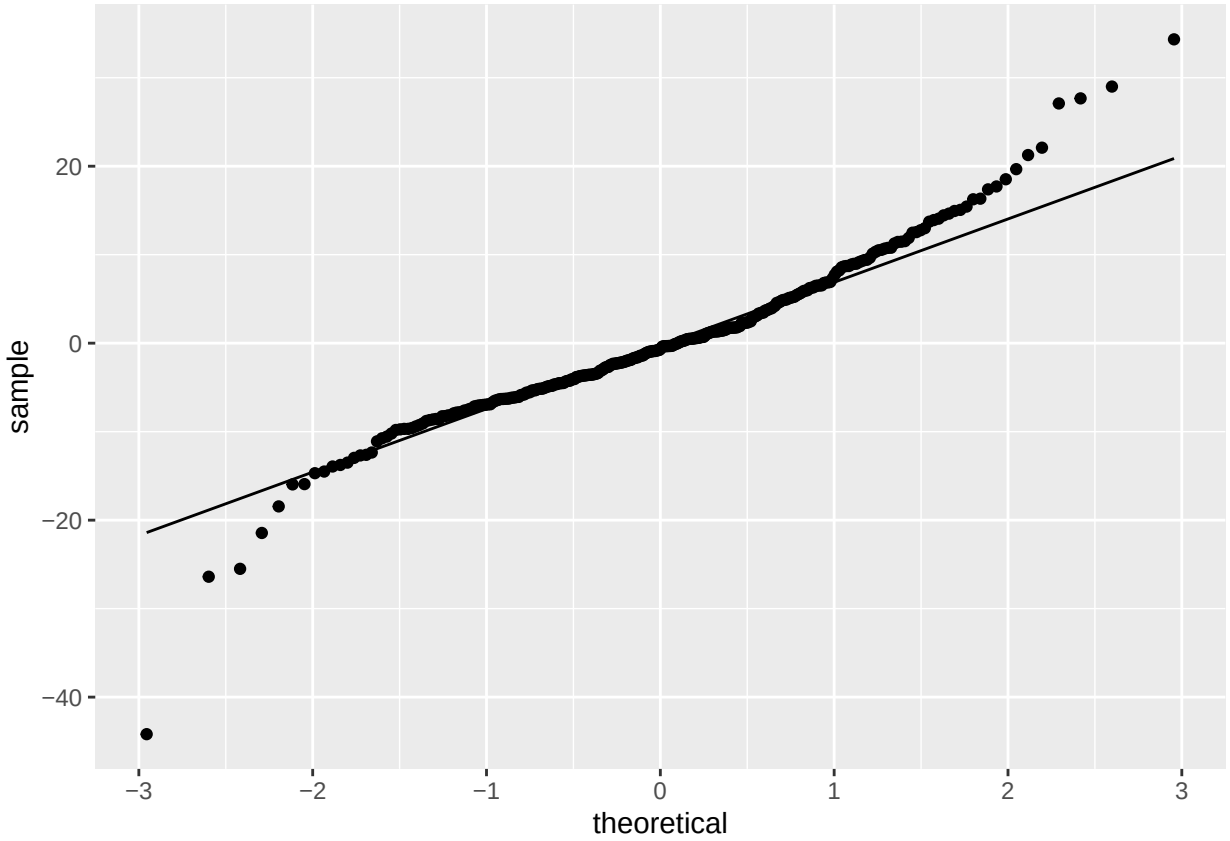
Number of divergences: 0

CACO: HatchesHarborDoubleH1






40
20
0
−20
−40
residual
0
100
200
300
observation id

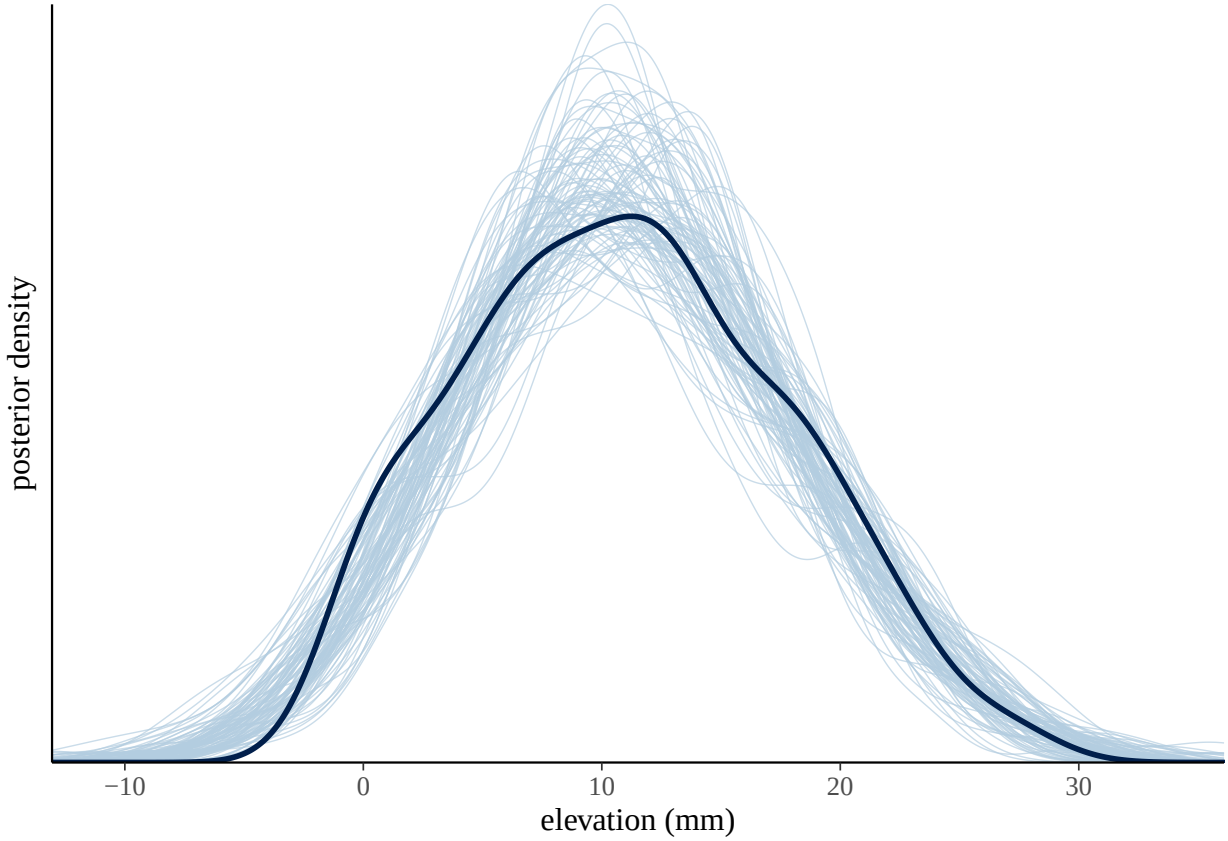


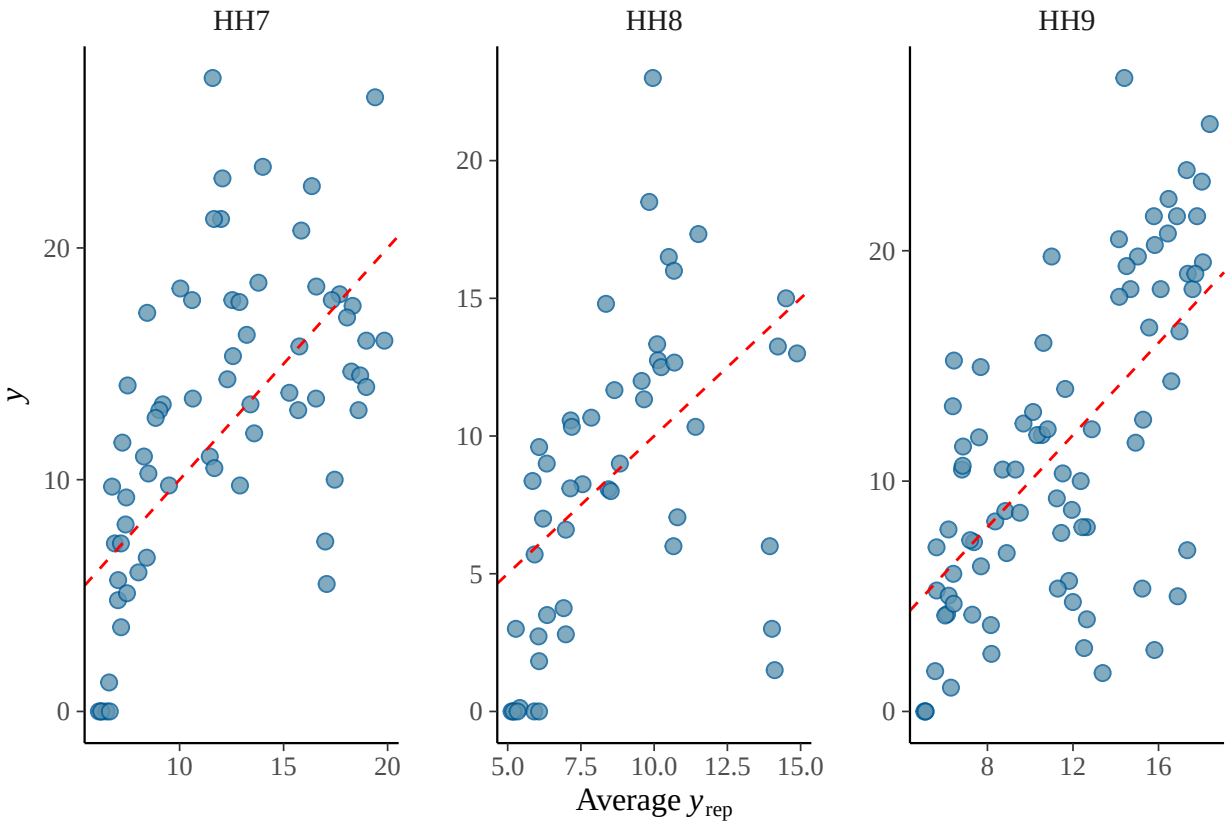
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.03	1.06
sd_set__Intercept	1.00	1.01
sd_set__year	1.03	1.07
sd_set:horizon__Intercept	1.01	1.02
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.01	1.04
sigma	1.00	1.01
r_set[HH1,Intercept]	1.00	1.00
r_set[HH2,Intercept]	1.00	1.01
r_set[HH3,Intercept]	1.00	1.00
r_set[HH4,Intercept]	1.00	1.00
r_set[HH5,Intercept]	1.00	1.00
r_set[HH6,Intercept]	1.00	1.00
r_set[HH1,year]	1.02	1.05
r_set[HH2,year]	1.02	1.05
r_set[HH3,year]	1.02	1.04
r_set[HH4,year]	1.02	1.04
r_set[HH5,year]	1.02	1.04

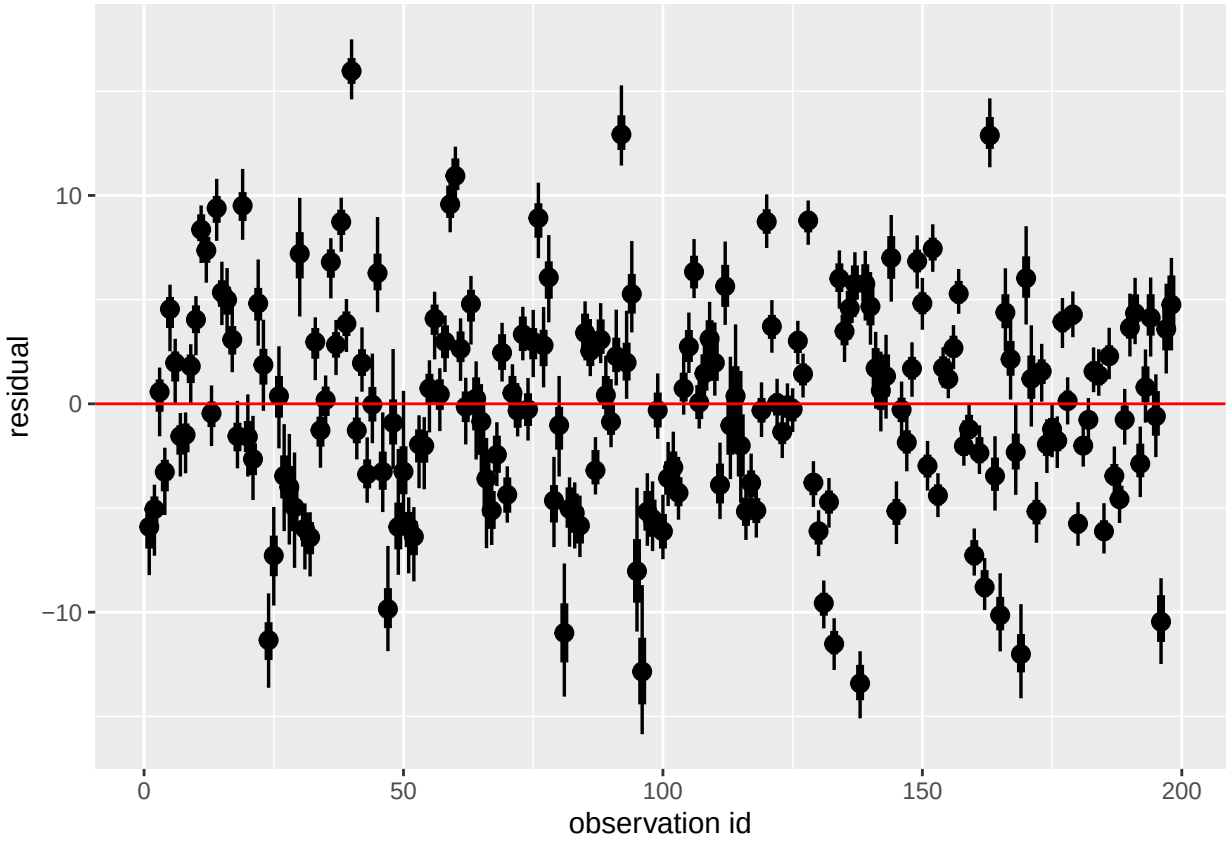
	Point est.	Upper C.I.
r_set[HH6,year]	1.01	1.03
r_set:horizon[HH1_A,Intercept]	1.00	1.01
r_set:horizon[HH1_B,Intercept]	1.01	1.03
r_set:horizon[HH1_C,Intercept]	1.00	1.00
r_set:horizon[HH2_A,Intercept]	1.00	1.01
r_set:horizon[HH2_B,Intercept]	1.00	1.01
r_set:horizon[HH2_C,Intercept]	1.01	1.02
r_set:horizon[HH3_A,Intercept]	1.02	1.04
r_set:horizon[HH3_B,Intercept]	1.00	1.00
r_set:horizon[HH3_C,Intercept]	1.00	1.01
r_set:horizon[HH4_A,Intercept]	1.01	1.01
r_set:horizon[HH4_B,Intercept]	1.00	1.00
r_set:horizon[HH4_C,Intercept]	1.00	1.00
r_set:horizon[HH5_A,Intercept]	1.00	1.00
r_set:horizon[HH5_B,Intercept]	1.00	1.00
r_set:horizon[HH5_C,Intercept]	1.00	1.01
r_set:horizon[HH6_A,Intercept]	1.00	1.00
r_set:horizon[HH6_B,Intercept]	1.00	1.00
r_set:horizon[HH6_C,Intercept]	1.01	1.01
r_set:horizon[HH1_A,year]	1.00	1.00
r_set:horizon[HH1_B,year]	1.00	1.00
r_set:horizon[HH1_C,year]	1.00	1.00
r_set:horizon[HH2_A,year]	1.00	1.01
r_set:horizon[HH2_B,year]	1.00	1.01
r_set:horizon[HH2_C,year]	1.00	1.01
r_set:horizon[HH3_A,year]	1.00	1.00
r_set:horizon[HH3_B,year]	1.00	1.00
r_set:horizon[HH3_C,year]	1.00	1.01
r_set:horizon[HH4_A,year]	1.00	1.00
r_set:horizon[HH4_B,year]	1.00	1.00
r_set:horizon[HH4_C,year]	1.00	1.00
r_set:horizon[HH5_A,year]	1.00	1.00
r_set:horizon[HH5_B,year]	1.00	1.00
r_set:horizon[HH5_C,year]	1.00	1.01
r_set:horizon[HH6_A,year]	1.00	1.01
r_set:horizon[HH6_B,year]	1.00	1.01
r_set:horizon[HH6_C,year]	1.00	1.00
lp___	1.00	1.00

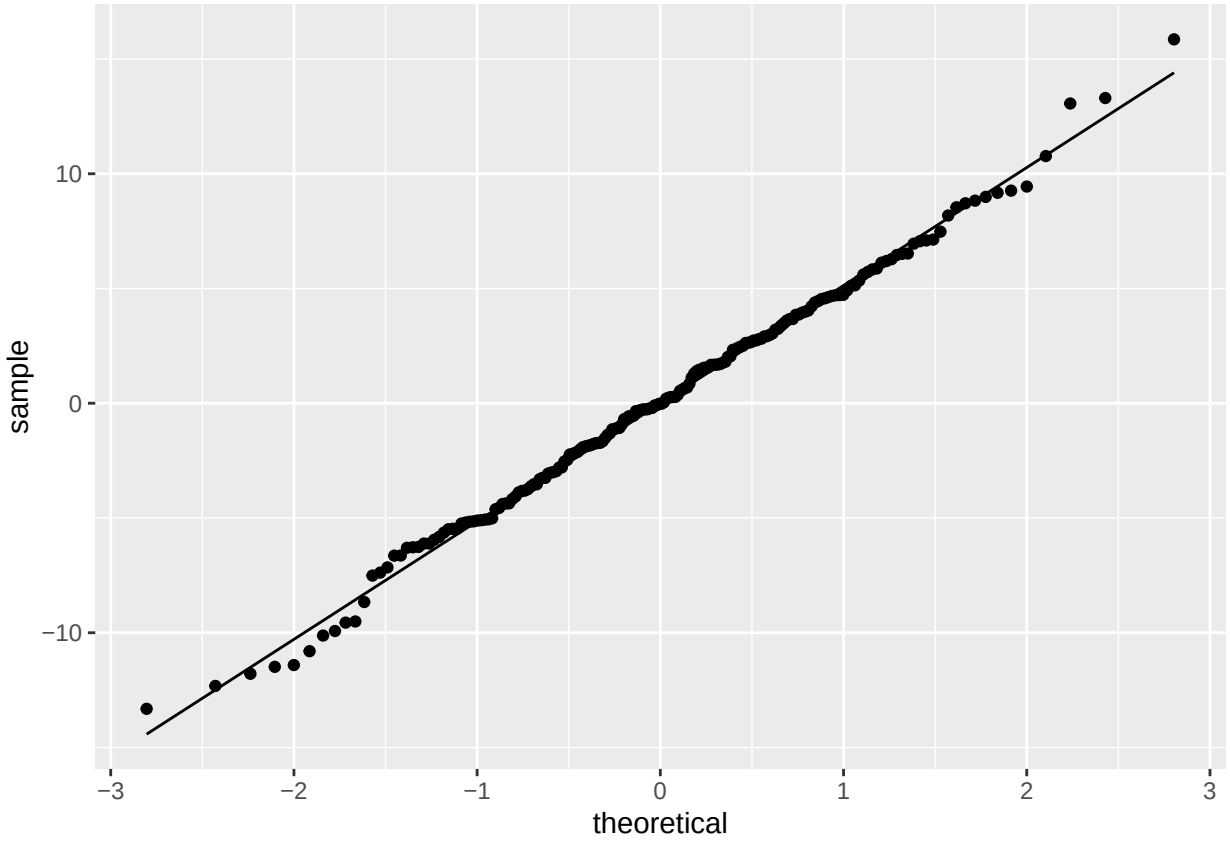
Number of divergences: 0

CACO: HatchesHarborDoubleH2






residual
10
0
−10
0
50
100
150
200
observation id

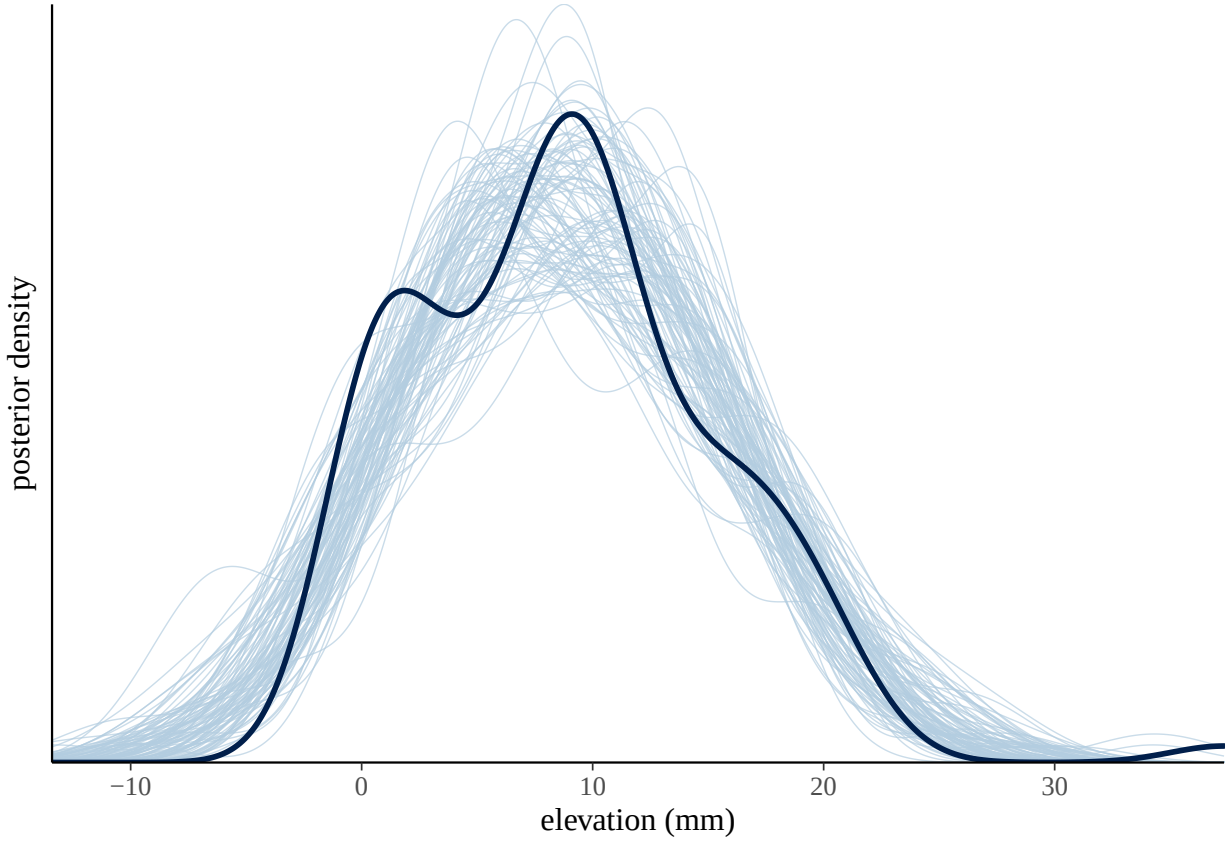


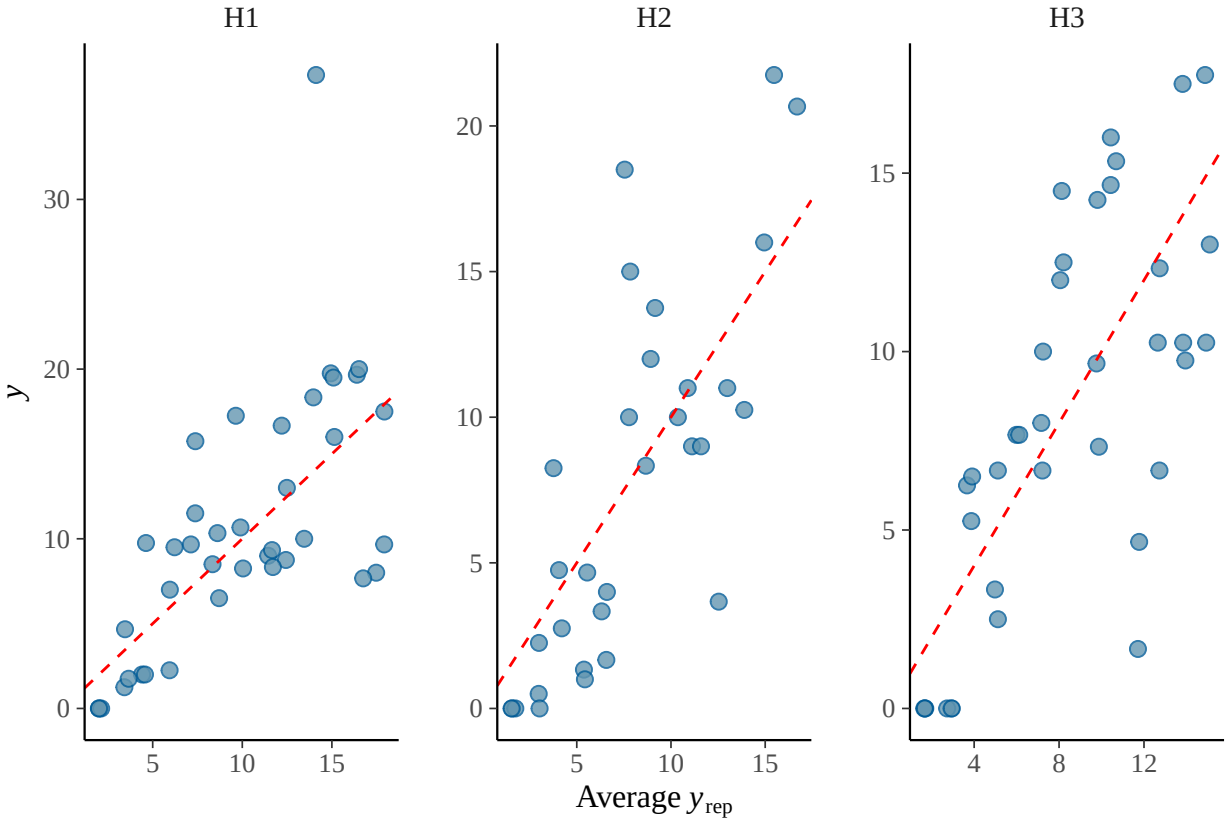
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.01	1.01
sd_set__Intercept	1.00	1.01
sd_set__year	1.03	1.04
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[HH7,Intercept]	1.00	1.00
r_set[HH8,Intercept]	1.01	1.01
r_set[HH9,Intercept]	1.00	1.01
r_set[HH7,year]	1.01	1.01
r_set[HH8,year]	1.01	1.01
r_set[HH9,year]	1.01	1.01
r_set:horizon[HH7_A,Intercept]	1.00	1.00
r_set:horizon[HH7_B,Intercept]	1.00	1.00
r_set:horizon[HH7_C,Intercept]	1.00	1.01
r_set:horizon[HH8_A,Intercept]	1.00	1.00
r_set:horizon[HH8_B,Intercept]	1.00	1.00

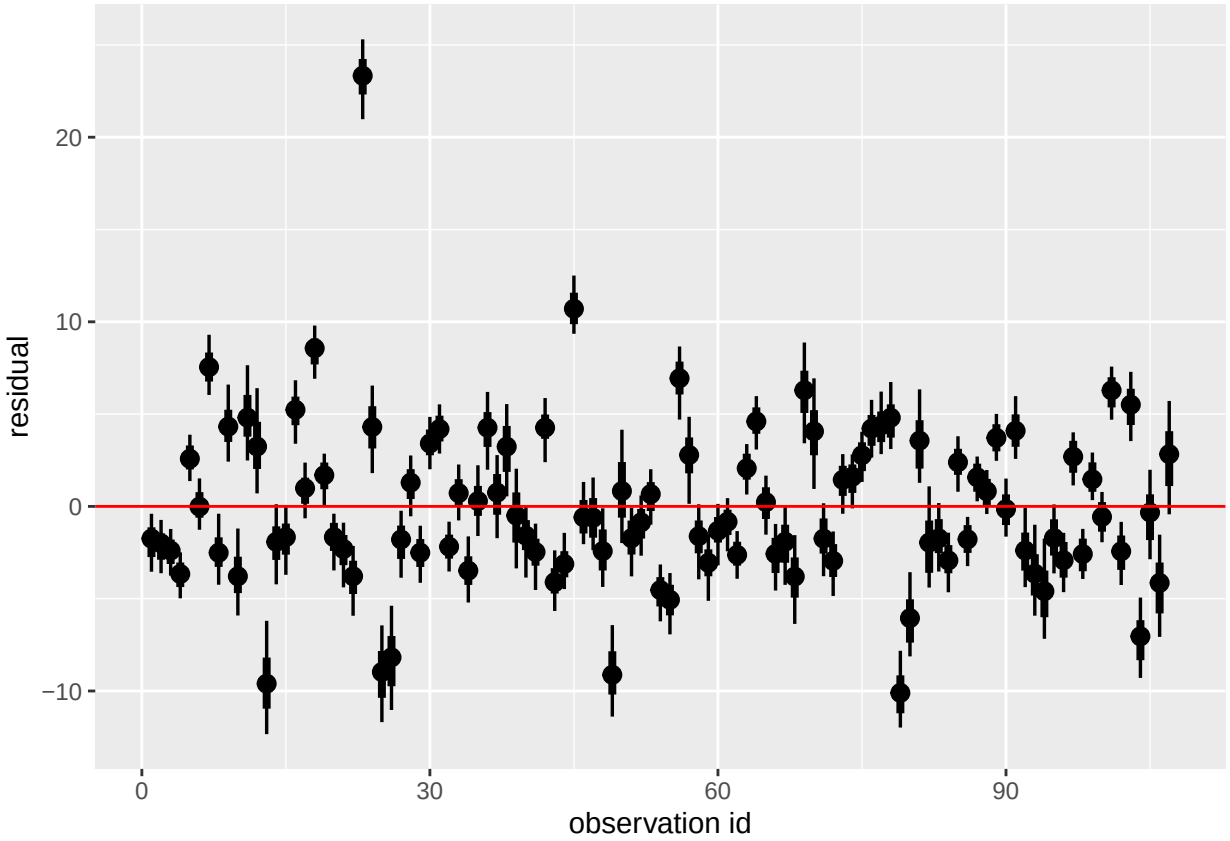
	Point est.	Upper C.I.
r_set:horizon[HH8_C,Intercept]	1.00	1.00
r_set:horizon[HH9_A,Intercept]	1.00	1.00
r_set:horizon[HH9_B,Intercept]	1.00	1.00
r_set:horizon[HH9_C,Intercept]	1.00	1.00
r_set:horizon[HH7_A,year]	1.00	1.01
r_set:horizon[HH7_B,year]	1.00	1.00
r_set:horizon[HH7_C,year]	1.00	1.01
r_set:horizon[HH8_A,year]	1.00	1.00
r_set:horizon[HH8_B,year]	1.00	1.01
r_set:horizon[HH8_C,year]	1.00	1.00
r_set:horizon[HH9_A,year]	1.00	1.00
r_set:horizon[HH9_B,year]	1.00	1.00
r_set:horizon[HH9_C,year]	1.00	1.00
lp___	1.00	1.01

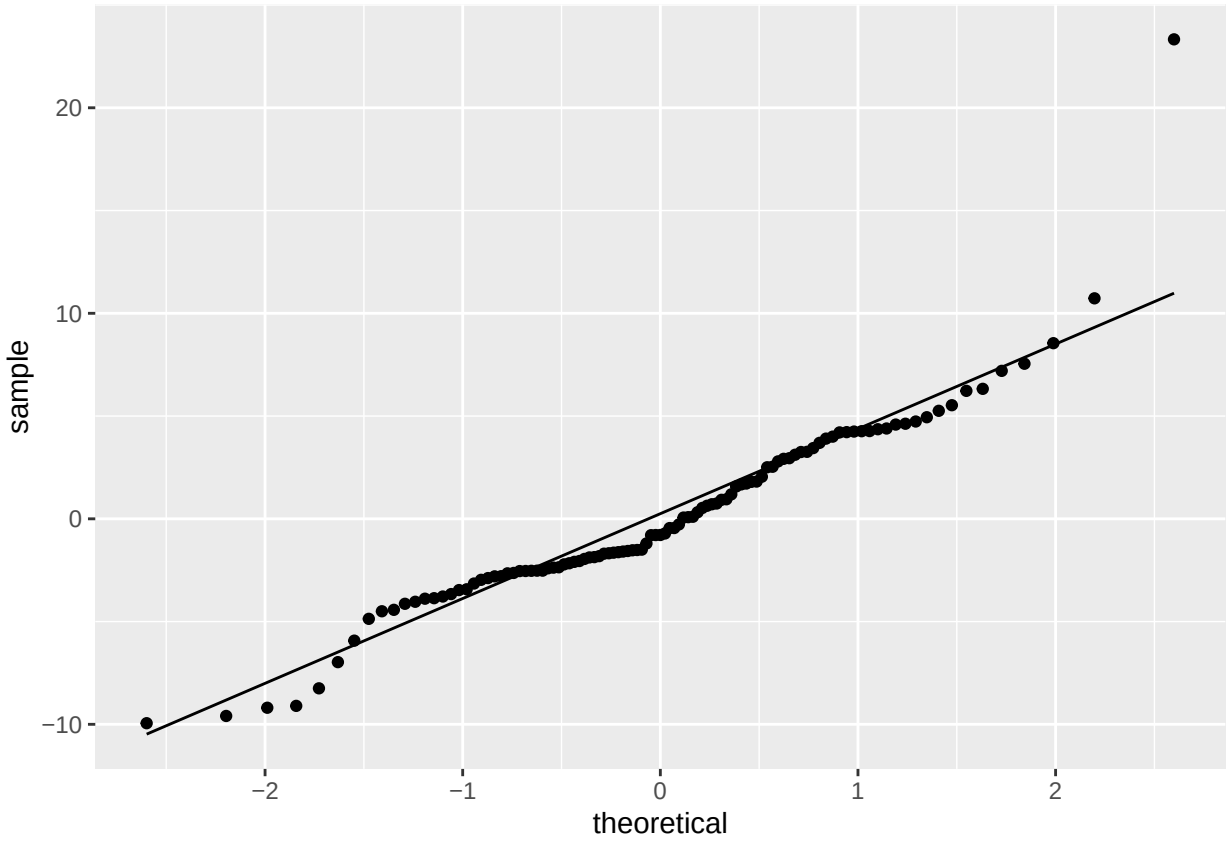
Number of divergences: 0

CACO: HatchesHarborH1






residual
20
10
0
−10
0
30
60
90
observation id

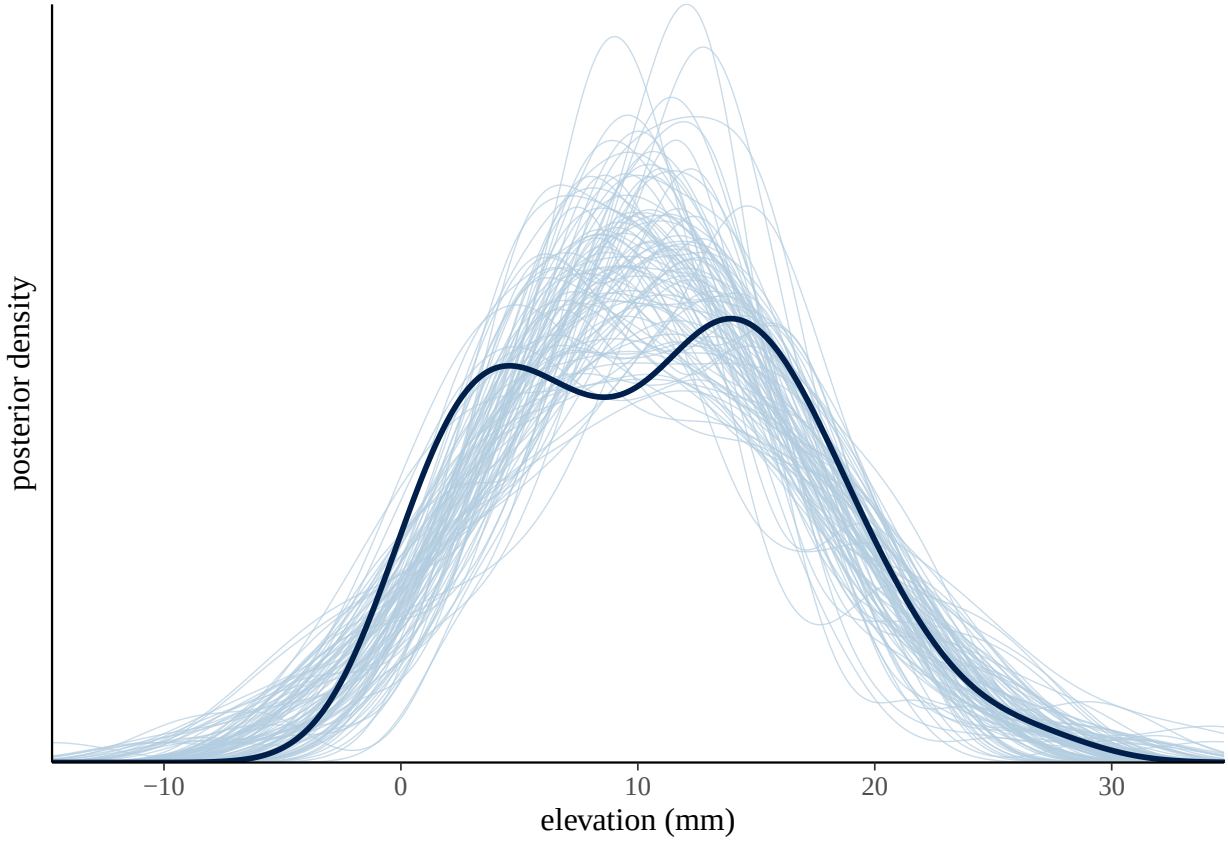


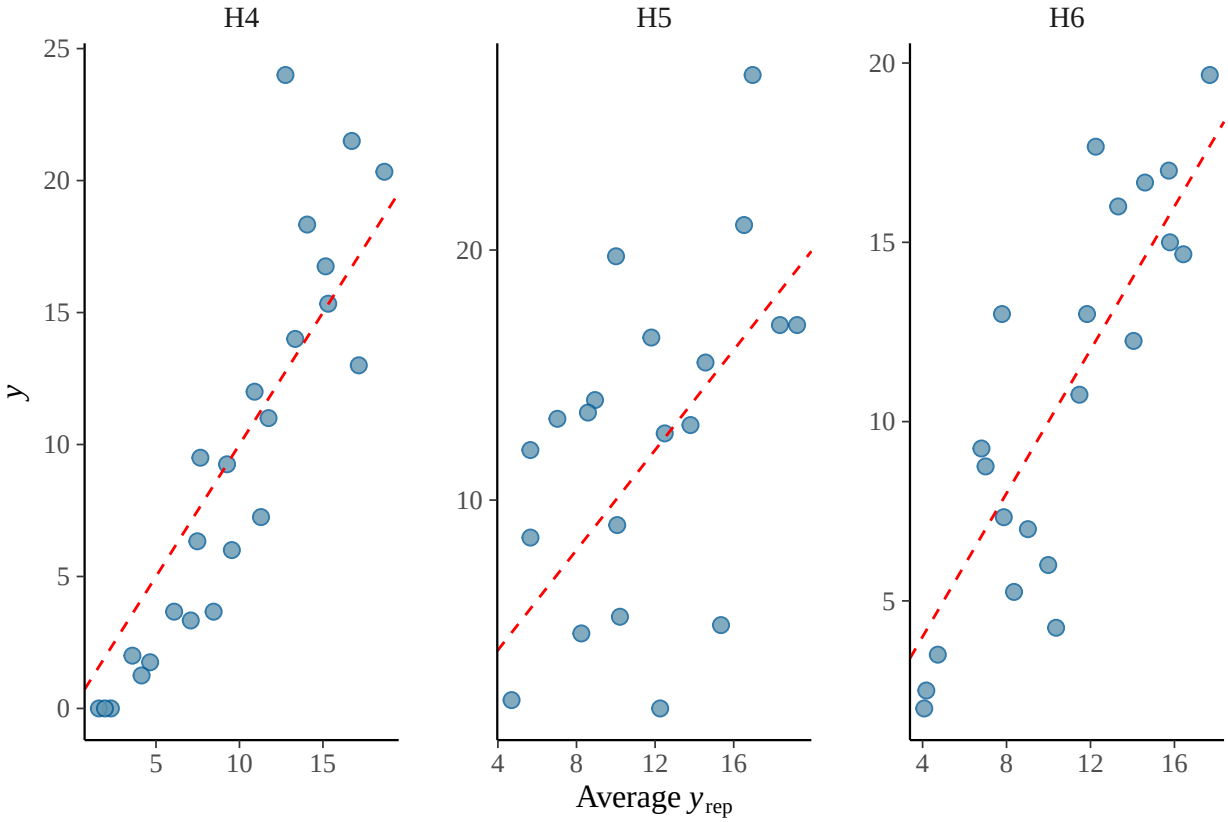
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.01	1.02
sd_set__Intercept	1.02	1.02
sd_set__year	1.07	1.07
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[H1,Intercept]	1.03	1.04
r_set[H2,Intercept]	1.01	1.02
r_set[H3,Intercept]	1.01	1.03
r_set[H1,year]	1.02	1.03
r_set[H2,year]	1.01	1.02
r_set[H3,year]	1.01	1.01
r_set:horizon[H1_A,Intercept]	1.00	1.00
r_set:horizon[H1_B,Intercept]	1.00	1.00
r_set:horizon[H1_C,Intercept]	1.00	1.00
r_set:horizon[H2_A,Intercept]	1.00	1.00
r_set:horizon[H2_B,Intercept]	1.00	1.01

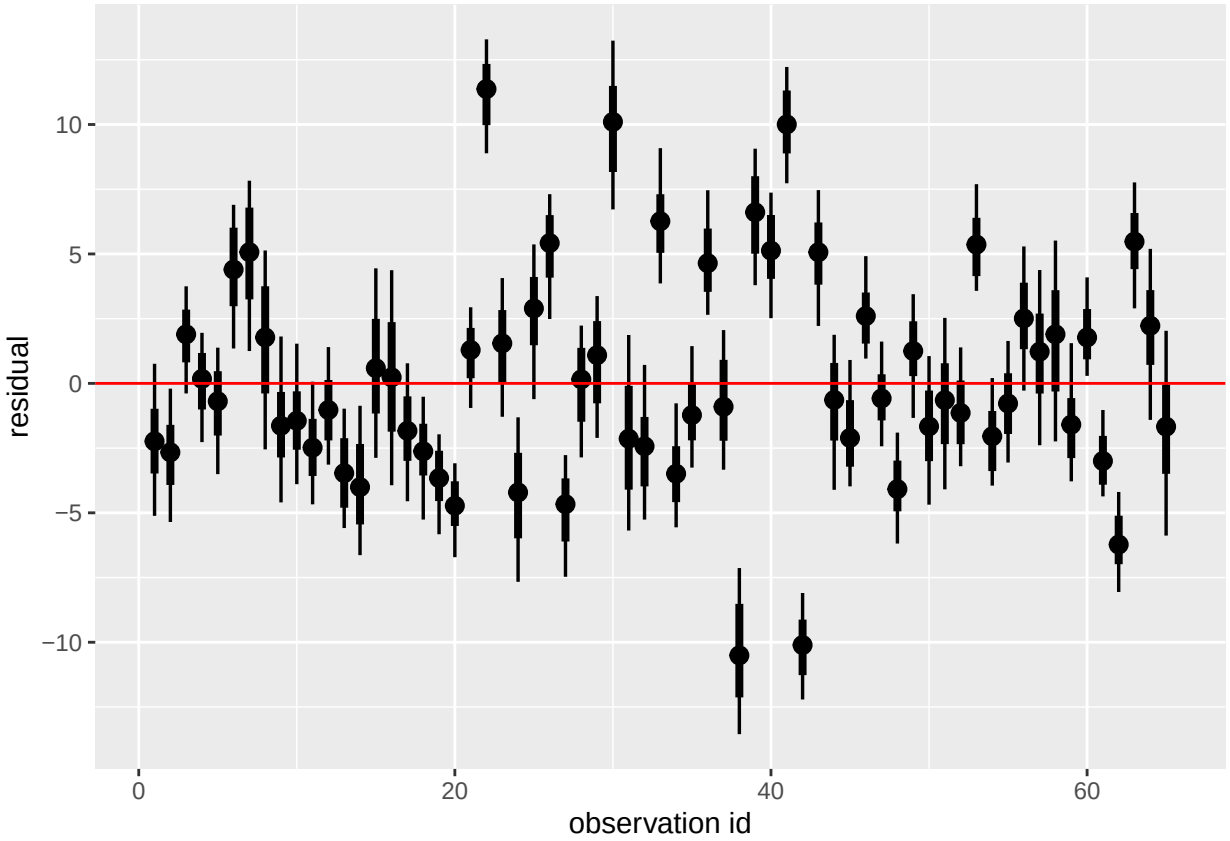
	Point est.	Upper C.I.
r_set:horizon[H2_C,Intercept]	1.01	1.01
r_set:horizon[H3_A,Intercept]	1.00	1.00
r_set:horizon[H3_B,Intercept]	1.00	1.00
r_set:horizon[H3_C,Intercept]	1.00	1.00
r_set:horizon[H1_A,year]	1.00	1.00
r_set:horizon[H1_B,year]	1.00	1.00
r_set:horizon[H1_C,year]	1.00	1.01
r_set:horizon[H2_A,year]	1.00	1.00
r_set:horizon[H2_B,year]	1.00	1.00
r_set:horizon[H2_C,year]	1.00	1.00
r_set:horizon[H3_A,year]	1.00	1.00
r_set:horizon[H3_B,year]	1.00	1.00
r_set:horizon[H3_C,year]	1.00	1.00
lp___	1.00	1.00

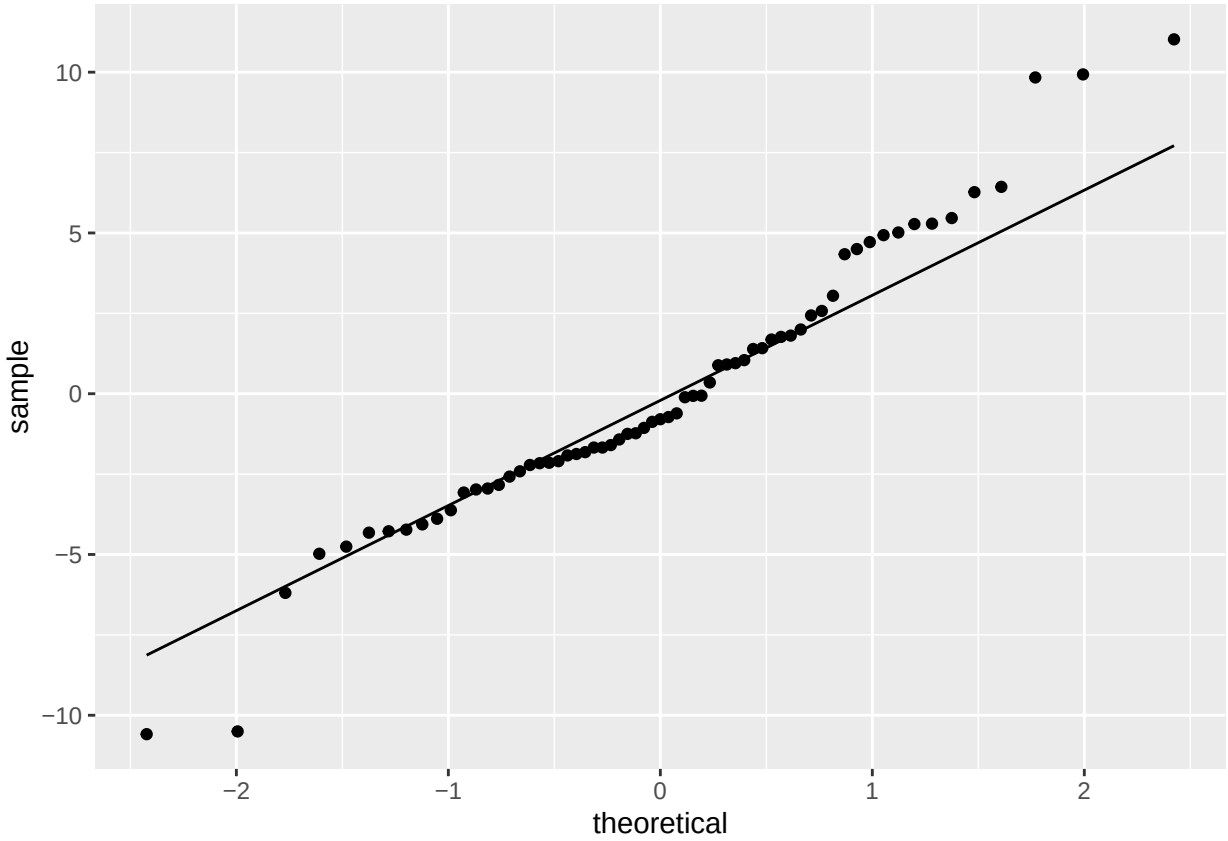
Number of divergences: 0

CACO: HatchesHarborH2






residual
10
5
0
−5
−10
0
20
40
60
observation id

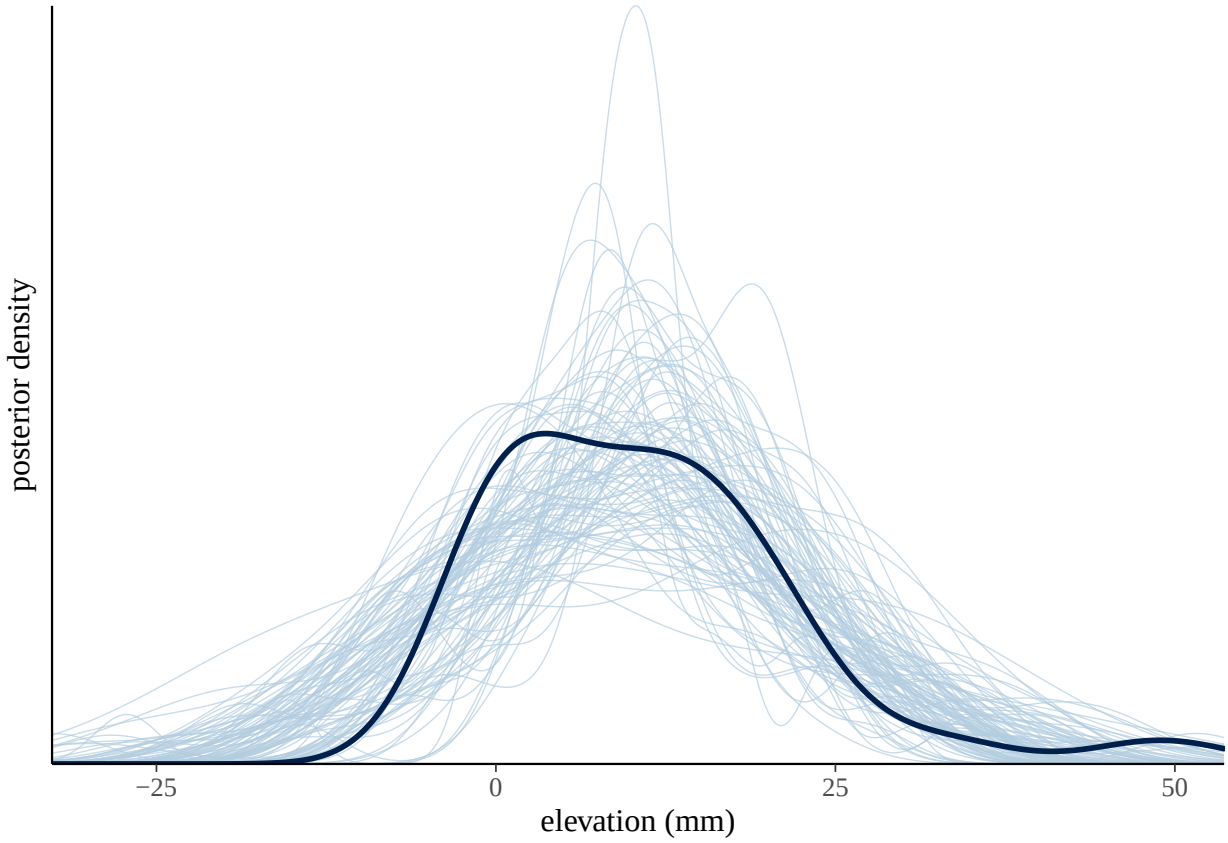


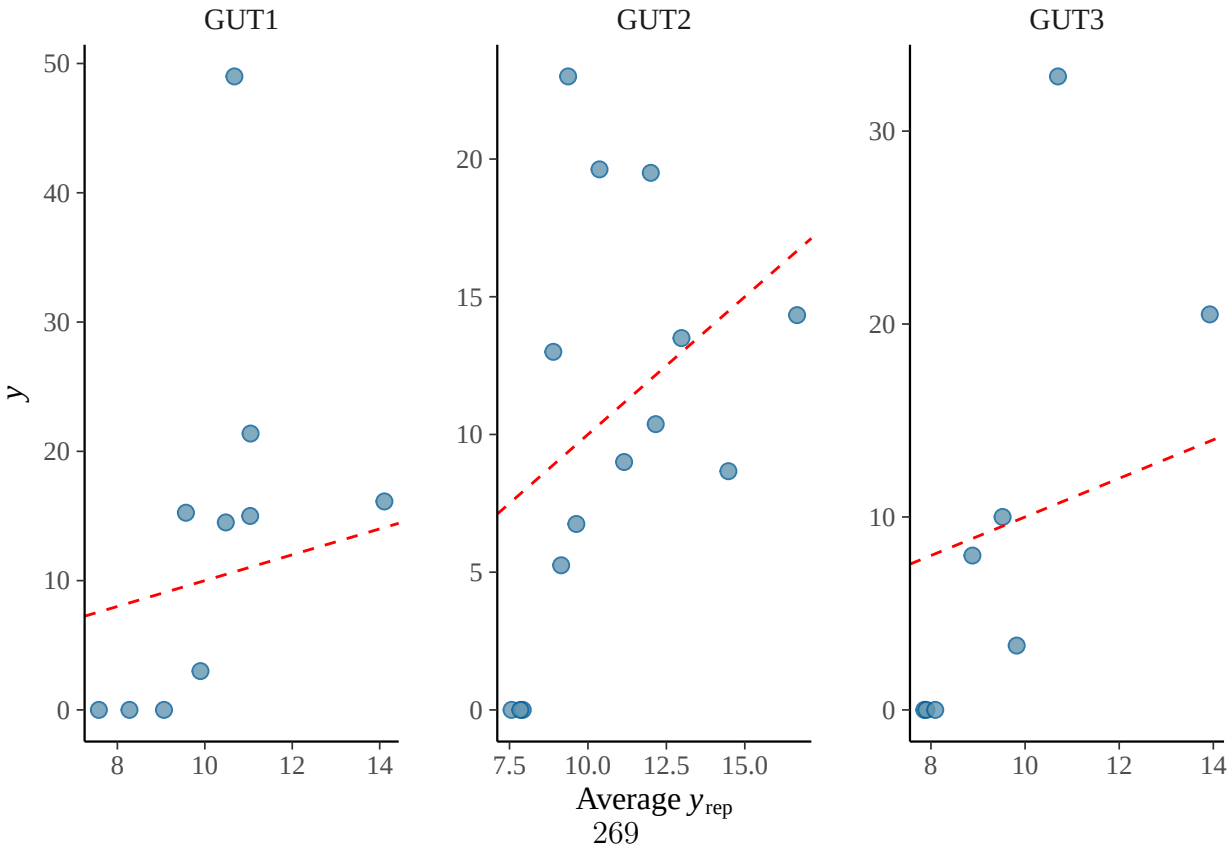
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.02	1.03
sd_set__Intercept	1.01	1.01
sd_set__year	1.05	1.06
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.01
r_set[H4,Intercept]	1.01	1.01
r_set[H5,Intercept]	1.00	1.01
r_set[H6,Intercept]	1.02	1.02
r_set[H4,year]	1.02	1.03
r_set[H5,year]	1.01	1.02
r_set[H6,year]	1.03	1.04
r_set:horizon[H4_A,Intercept]	1.00	1.00
r_set:horizon[H4_B,Intercept]	1.00	1.00
r_set:horizon[H4_C,Intercept]	1.00	1.00
r_set:horizon[H5_A,Intercept]	1.00	1.01
r_set:horizon[H5_B,Intercept]	1.00	1.01

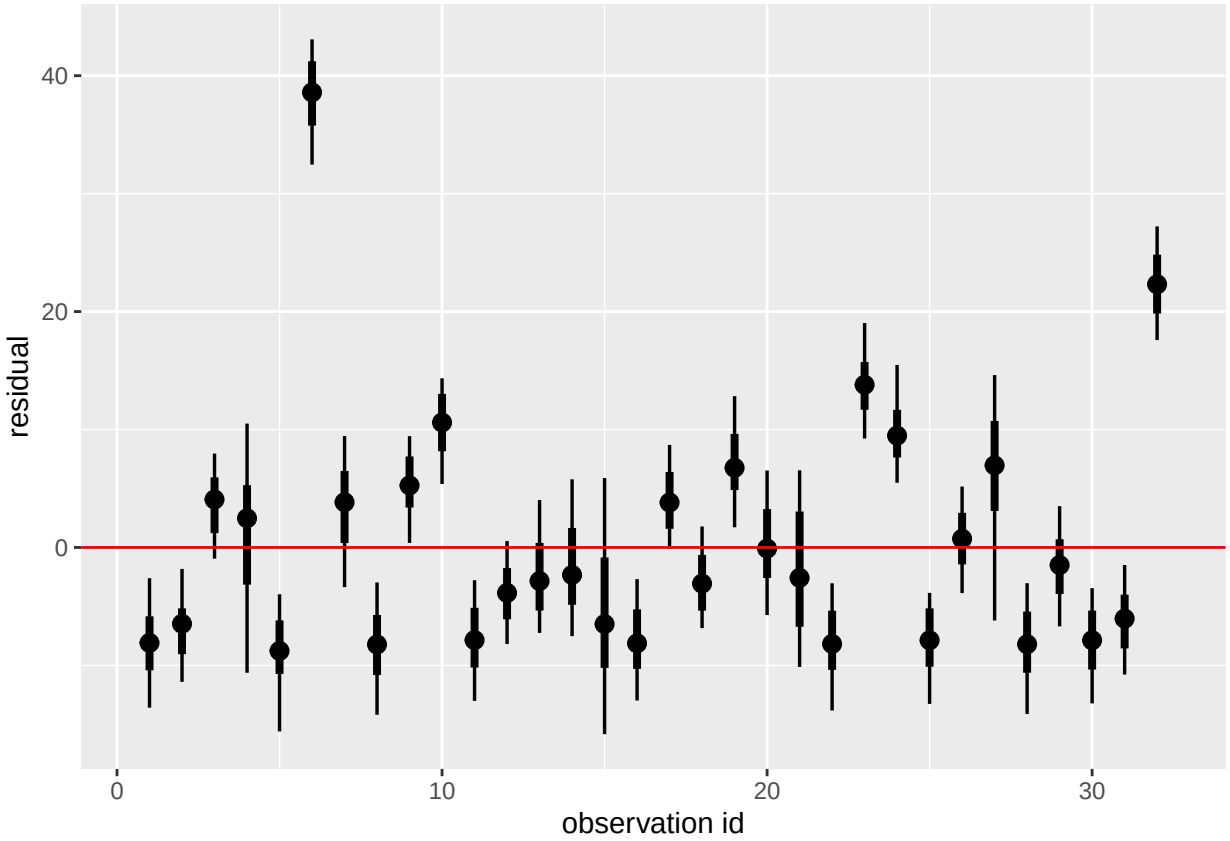
	Point est.	Upper C.I.
r_set:horizon[H5_C,Intercept]	1.00	1.01
r_set:horizon[H6_A,Intercept]	1.00	1.00
r_set:horizon[H6_B,Intercept]	1.00	1.00
r_set:horizon[H6_C,Intercept]	1.00	1.00
r_set:horizon[H4_A,year]	1.00	1.01
r_set:horizon[H4_B,year]	1.00	1.00
r_set:horizon[H4_C,year]	1.00	1.00
r_set:horizon[H5_A,year]	1.00	1.01
r_set:horizon[H5_B,year]	1.00	1.01
r_set:horizon[H5_C,year]	1.00	1.00
r_set:horizon[H6_A,year]	1.00	1.00
r_set:horizon[H6_B,year]	1.00	1.01
r_set:horizon[H6_C,year]	1.00	1.00
lp___	1.00	1.01

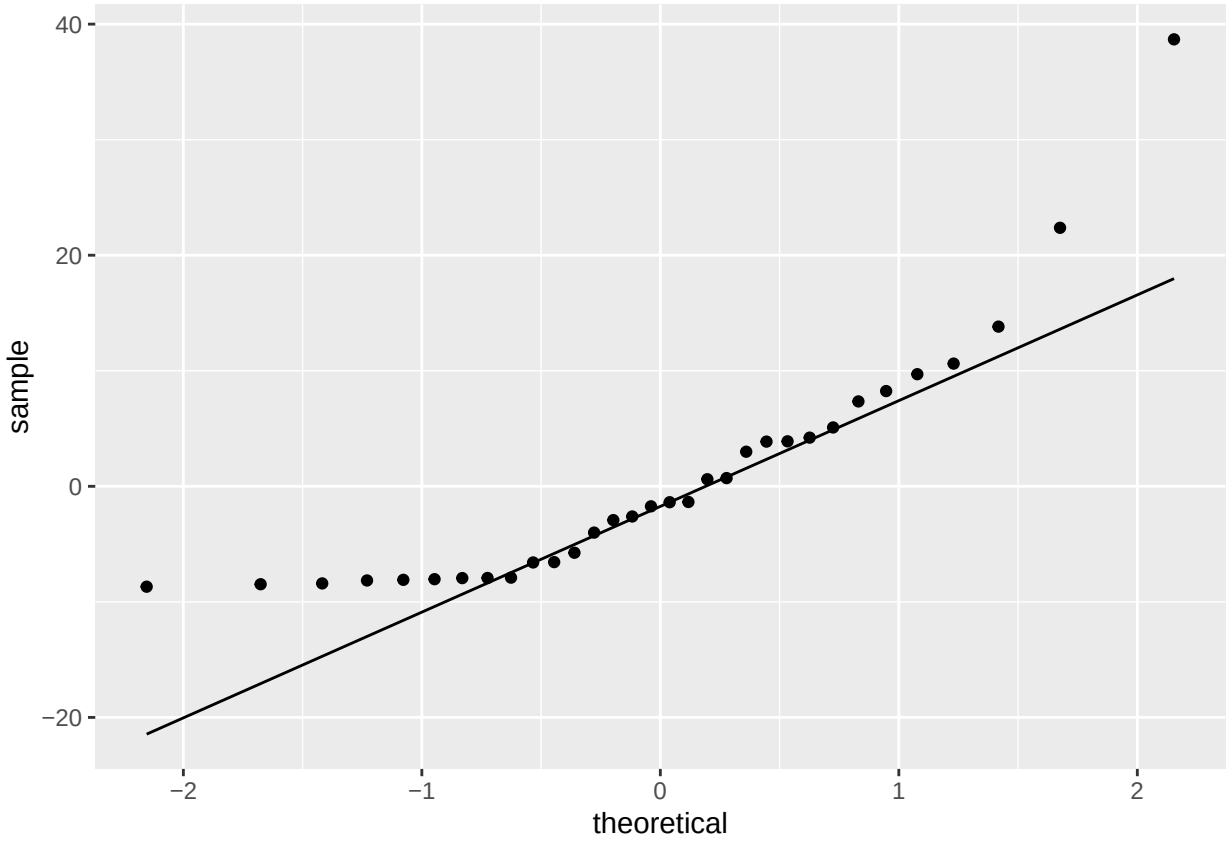
Number of divergences: 0

CACO: HerringRiverGUT






40
20
0
residual
0
10
20
30
observation id

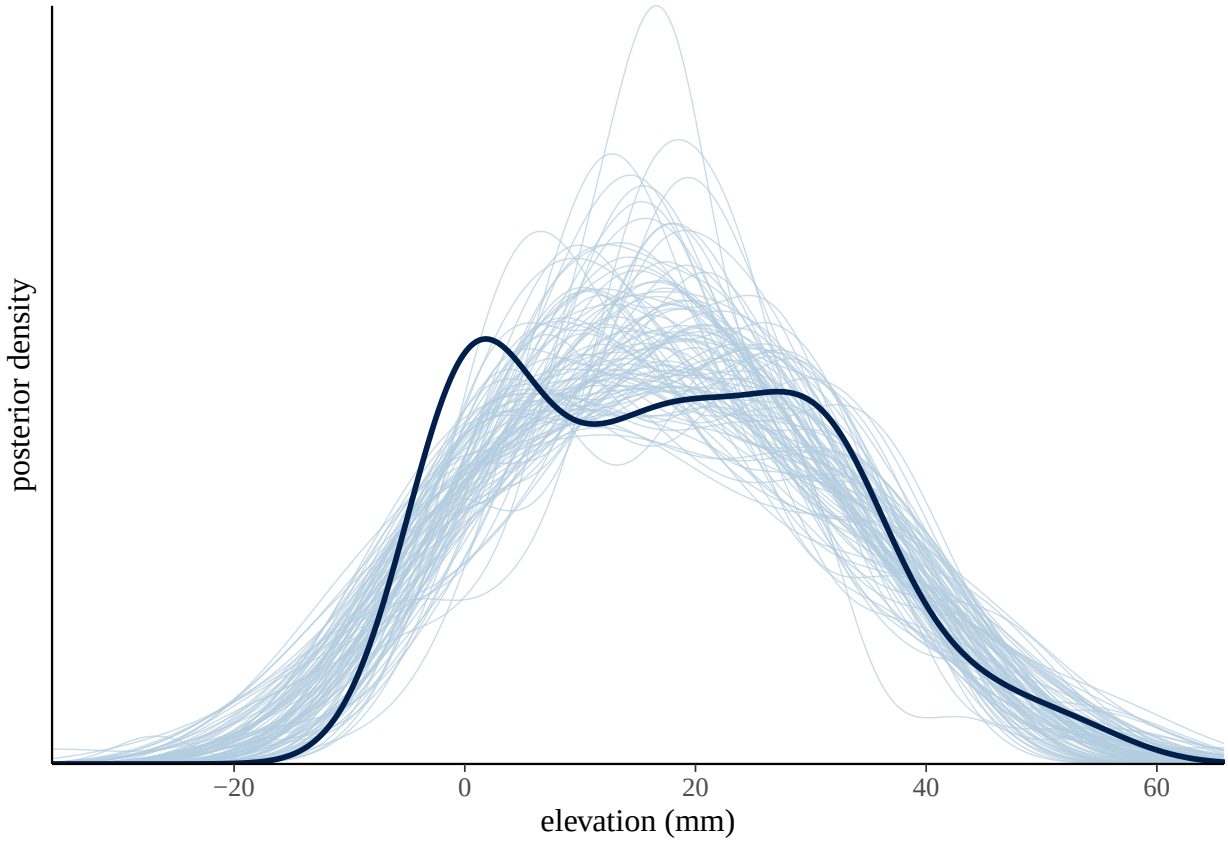


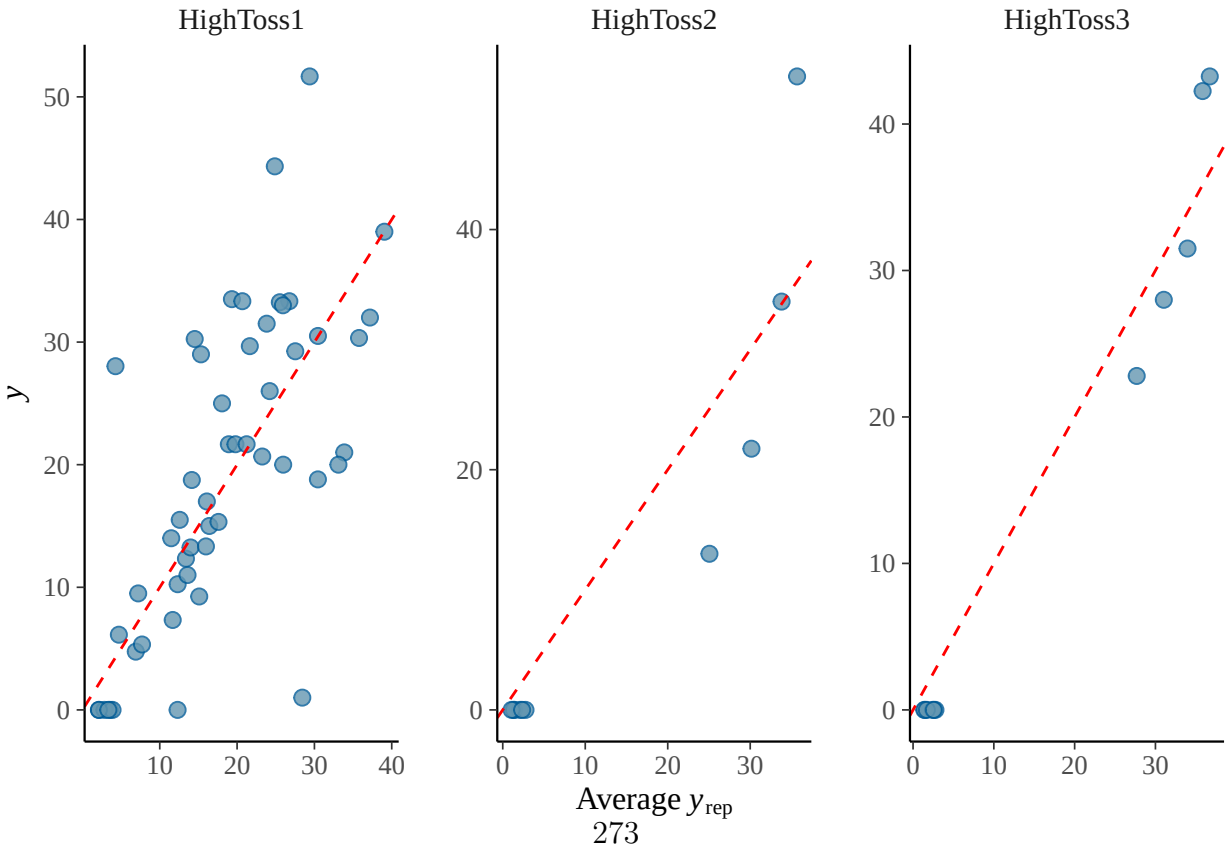
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.03	1.03
sd_set__year	1.04	1.06
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.02	1.03
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[GUT1,Intercept]	1.01	1.01
r_set[GUT2,Intercept]	1.00	1.01
r_set[GUT3,Intercept]	1.02	1.02
r_set[GUT1,year]	1.02	1.03
r_set[GUT2,year]	1.01	1.02
r_set[GUT3,year]	1.01	1.02
r_set:horizon[GUT1_A,Intercept]	1.00	1.00
r_set:horizon[GUT1_B,Intercept]	1.00	1.00
r_set:horizon[GUT1_C,Intercept]	1.00	1.00
r_set:horizon[GUT2_A,Intercept]	1.00	1.00
r_set:horizon[GUT2_B,Intercept]	1.01	1.01

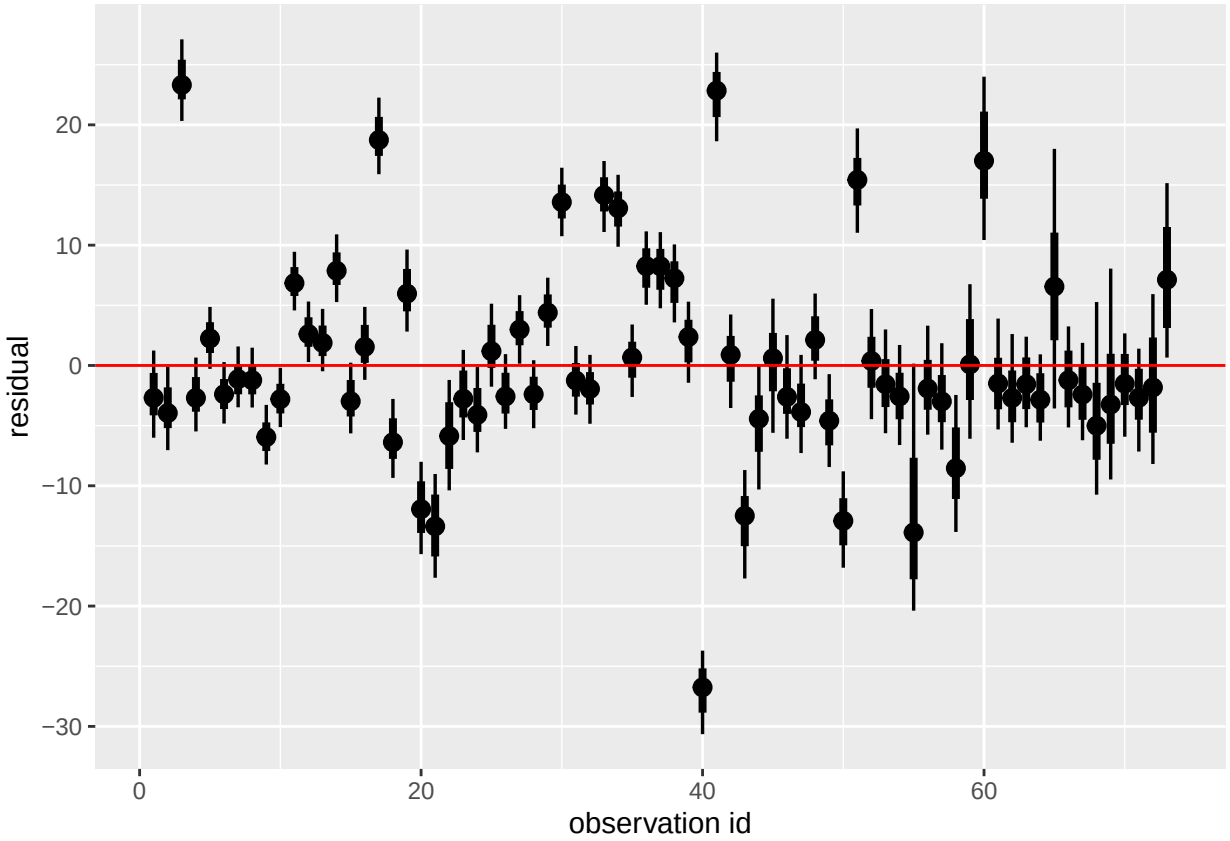
	Point est.	Upper C.I.
r_set:horizon[GUT2_C,Intercept]	1.01	1.01
r_set:horizon[GUT3_A,Intercept]	1.00	1.01
r_set:horizon[GUT3_B,Intercept]	1.01	1.01
r_set:horizon[GUT3_C,Intercept]	1.00	1.01
r_set:horizon[GUT1_A,year]	1.00	1.00
r_set:horizon[GUT1_B,year]	1.04	1.05
r_set:horizon[GUT1_C,year]	1.02	1.03
r_set:horizon[GUT2_A,year]	1.00	1.00
r_set:horizon[GUT2_B,year]	1.00	1.00
r_set:horizon[GUT2_C,year]	1.01	1.02
r_set:horizon[GUT3_A,year]	1.01	1.01
r_set:horizon[GUT3_B,year]	1.01	1.01
r_set:horizon[GUT3_C,year]	1.03	1.03
lp___	1.00	1.01

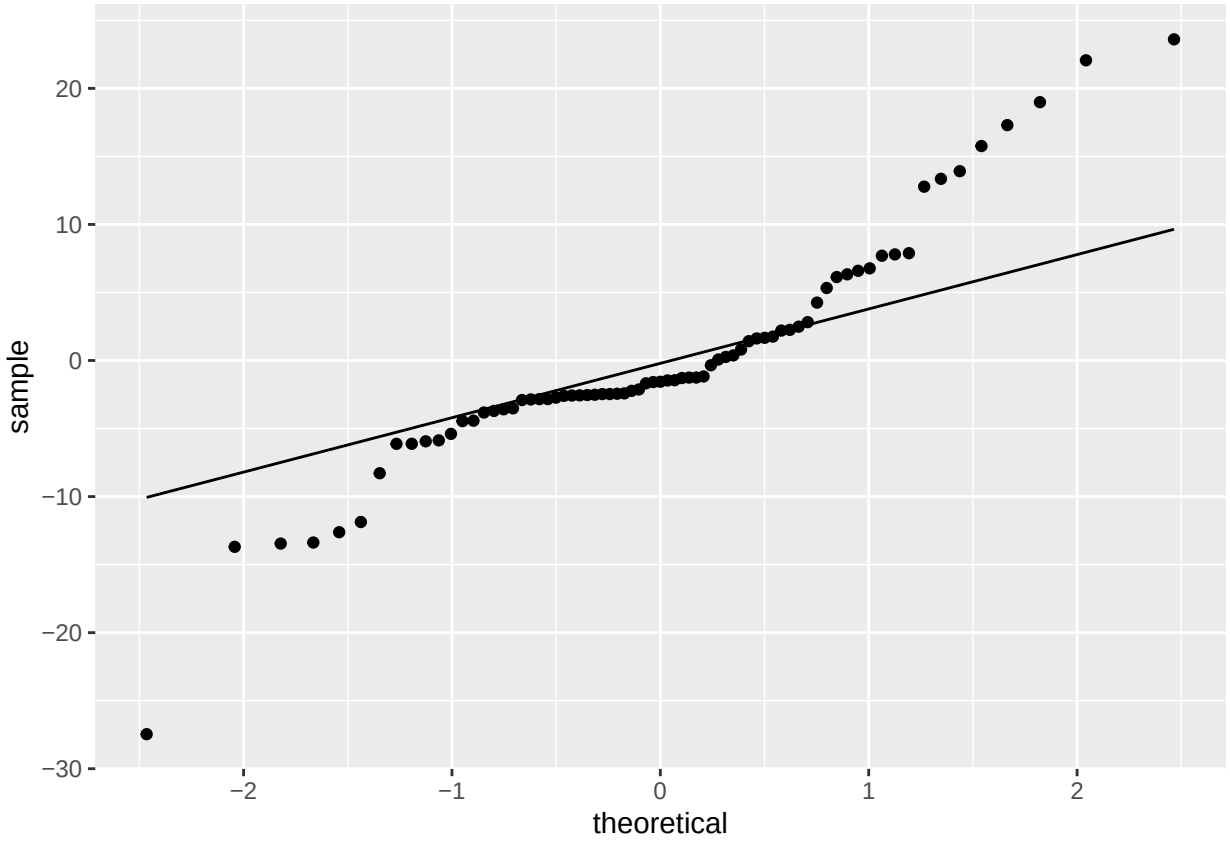
Number of divergences: 0

CACO: HerringRiverHighToss






residual
20
10
0
−10
−20
−30
0
20
40
60
observation id

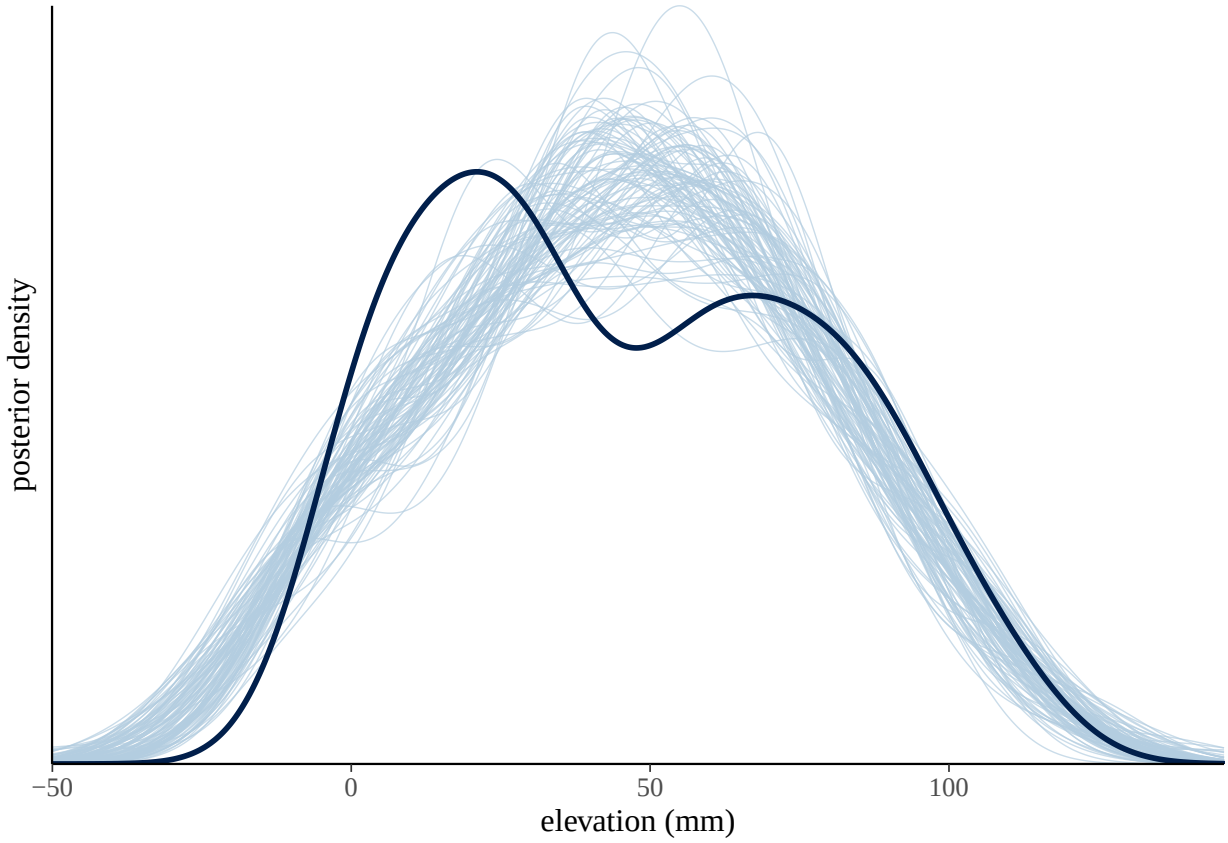


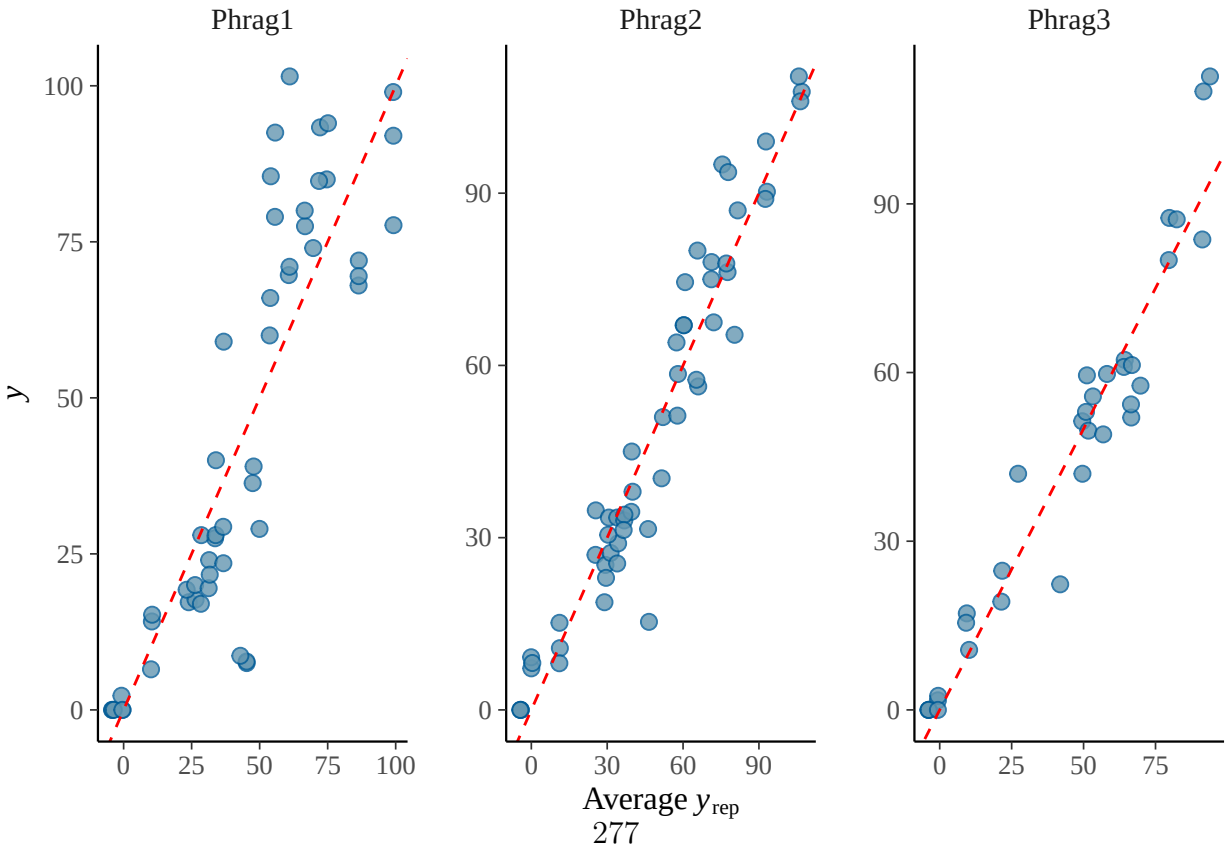
	Point est.	Upper C.I.
b_Intercept	1.00	1.01
b_year	1.01	1.01
sd_set__Intercept	1.00	1.01
sd_set__year	1.01	1.01
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[HighToss1,Intercept]	1.01	1.01
r_set[HighToss2,Intercept]	1.01	1.01
r_set[HighToss3,Intercept]	1.00	1.01
r_set[HighToss1,year]	1.01	1.01
r_set[HighToss2,year]	1.01	1.01
r_set[HighToss3,year]	1.01	1.01
r_set:horizon[HighToss1_A,Intercept]	1.00	1.00
r_set:horizon[HighToss1_B,Intercept]	1.00	1.01
r_set:horizon[HighToss1_C,Intercept]	1.00	1.01
r_set:horizon[HighToss2_A,Intercept]	1.01	1.01
r_set:horizon[HighToss2_B,Intercept]	1.00	1.01

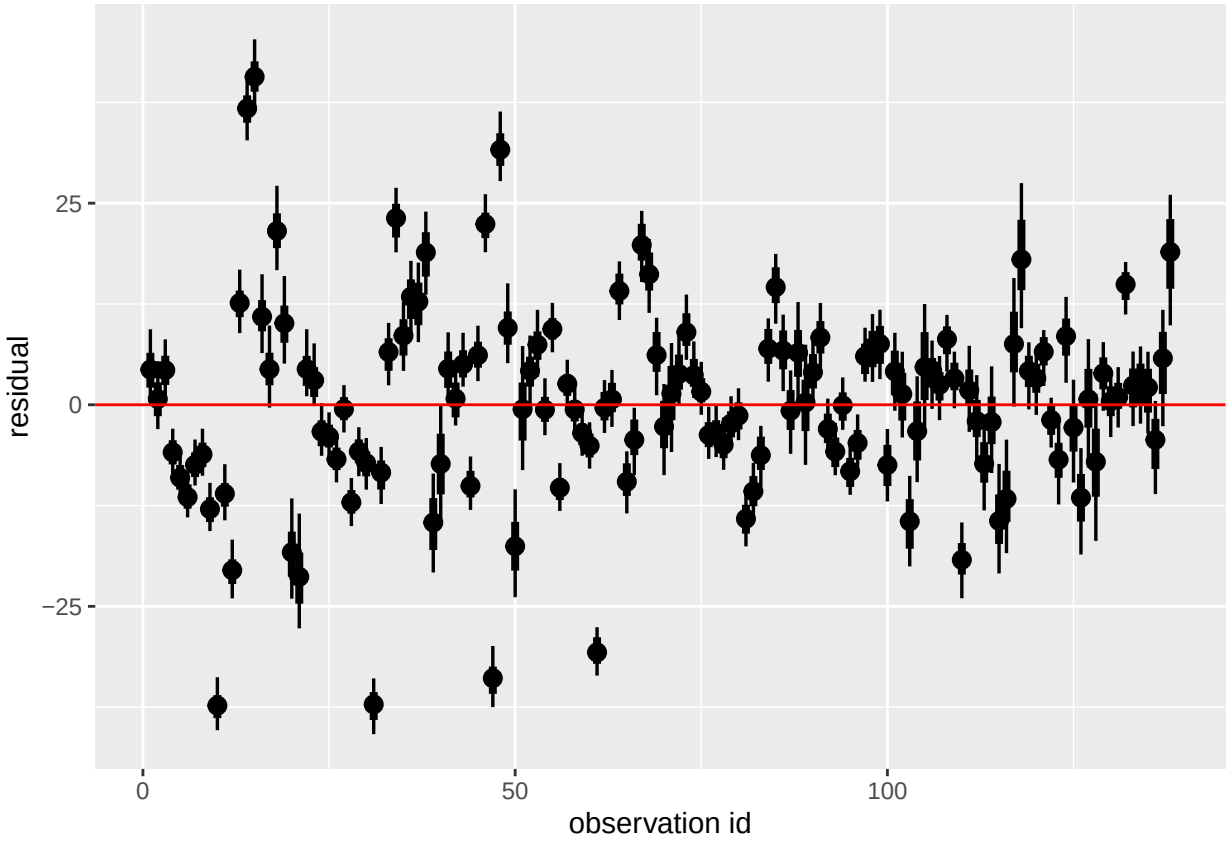
	Point est.	Upper C.I.
r_set:horizon[HighToss2_C,Intercept]	1.00	1.00
r_set:horizon[HighToss3_A,Intercept]	1.00	1.01
r_set:horizon[HighToss3_B,Intercept]	1.00	1.00
r_set:horizon[HighToss3_C,Intercept]	1.00	1.00
r_set:horizon[HighToss1_A,year]	1.00	1.00
r_set:horizon[HighToss1_B,year]	1.00	1.00
r_set:horizon[HighToss1_C,year]	1.00	1.00
r_set:horizon[HighToss2_A,year]	1.00	1.00
r_set:horizon[HighToss2_B,year]	1.00	1.00
r_set:horizon[HighToss2_C,year]	1.00	1.01
r_set:horizon[HighToss3_A,year]	1.00	1.00
r_set:horizon[HighToss3_B,year]	1.00	1.00
r_set:horizon[HighToss3_C,year]	1.00	1.00
lp___	1.00	1.00

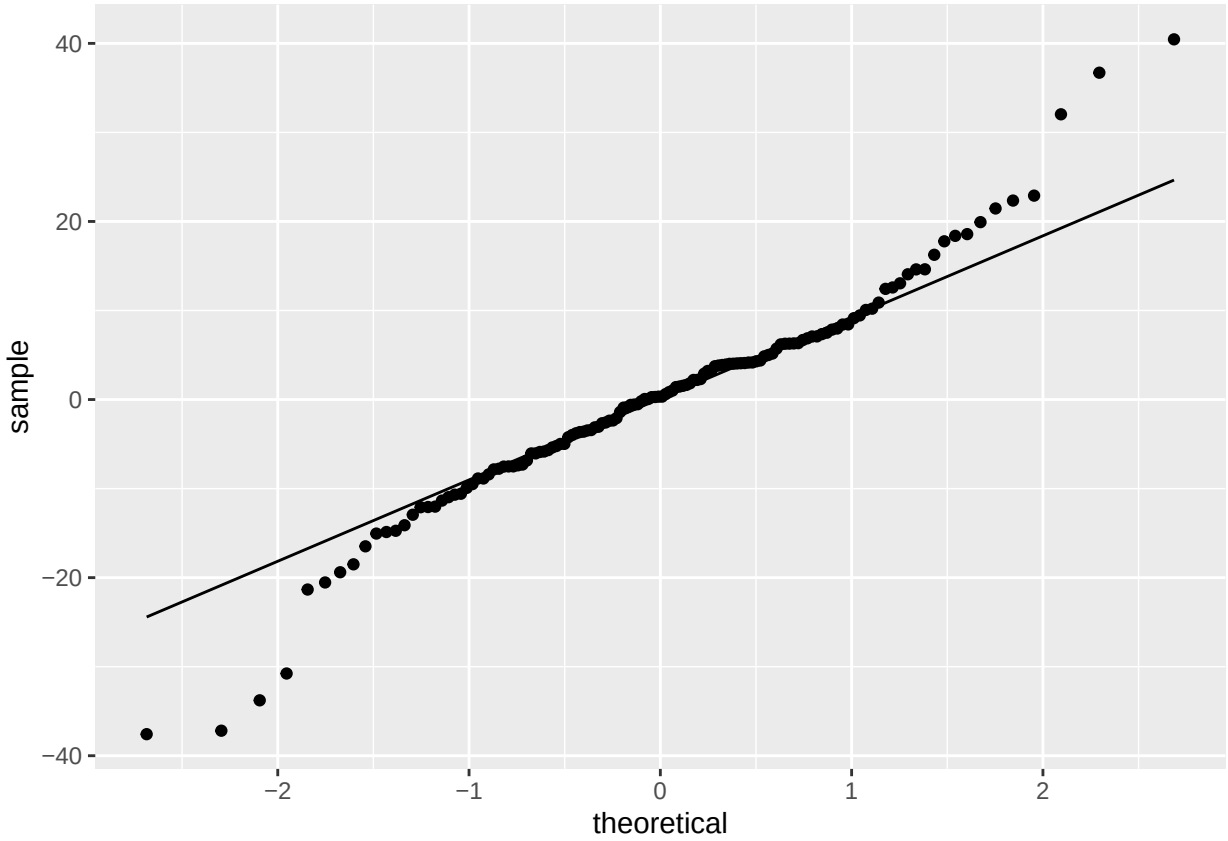
Number of divergences: 2

CACO: HerringRiverPhrag






25
0
−25
residual
0
50
100
observation id

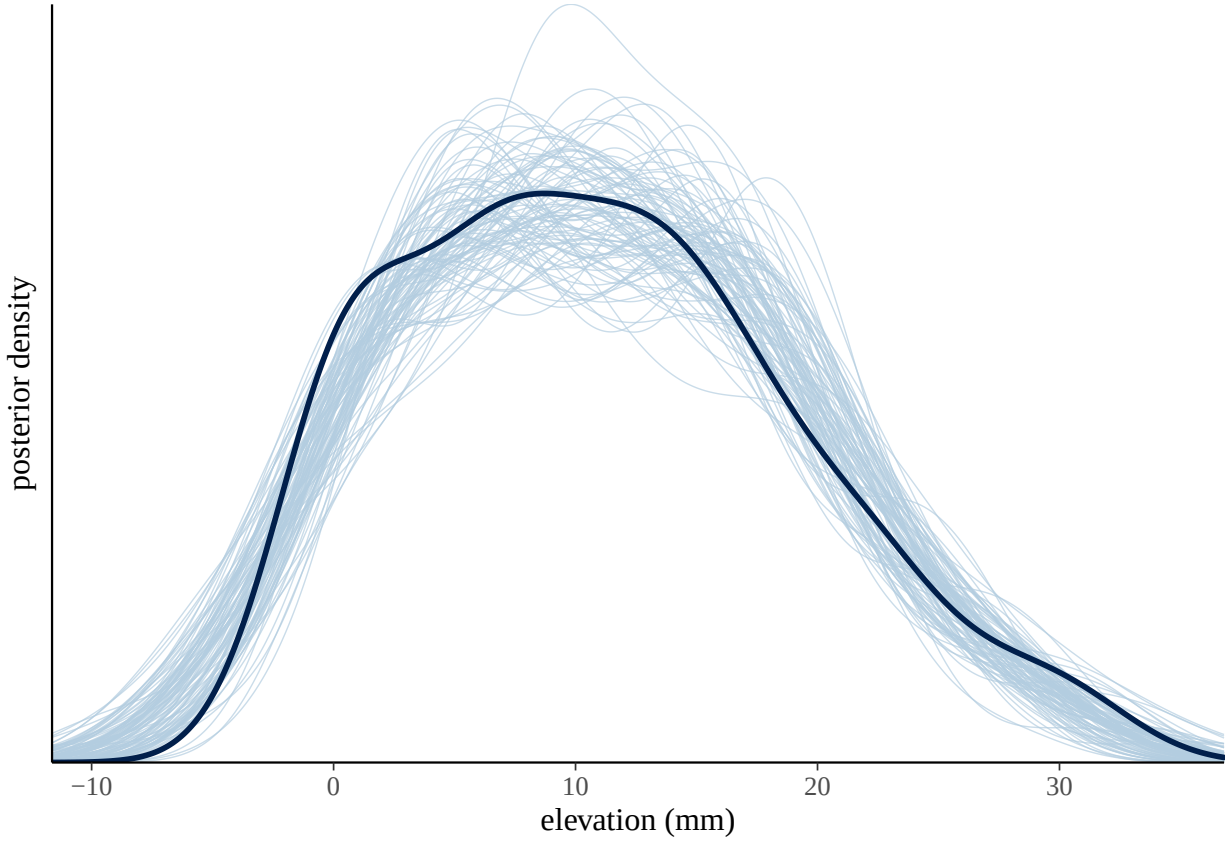


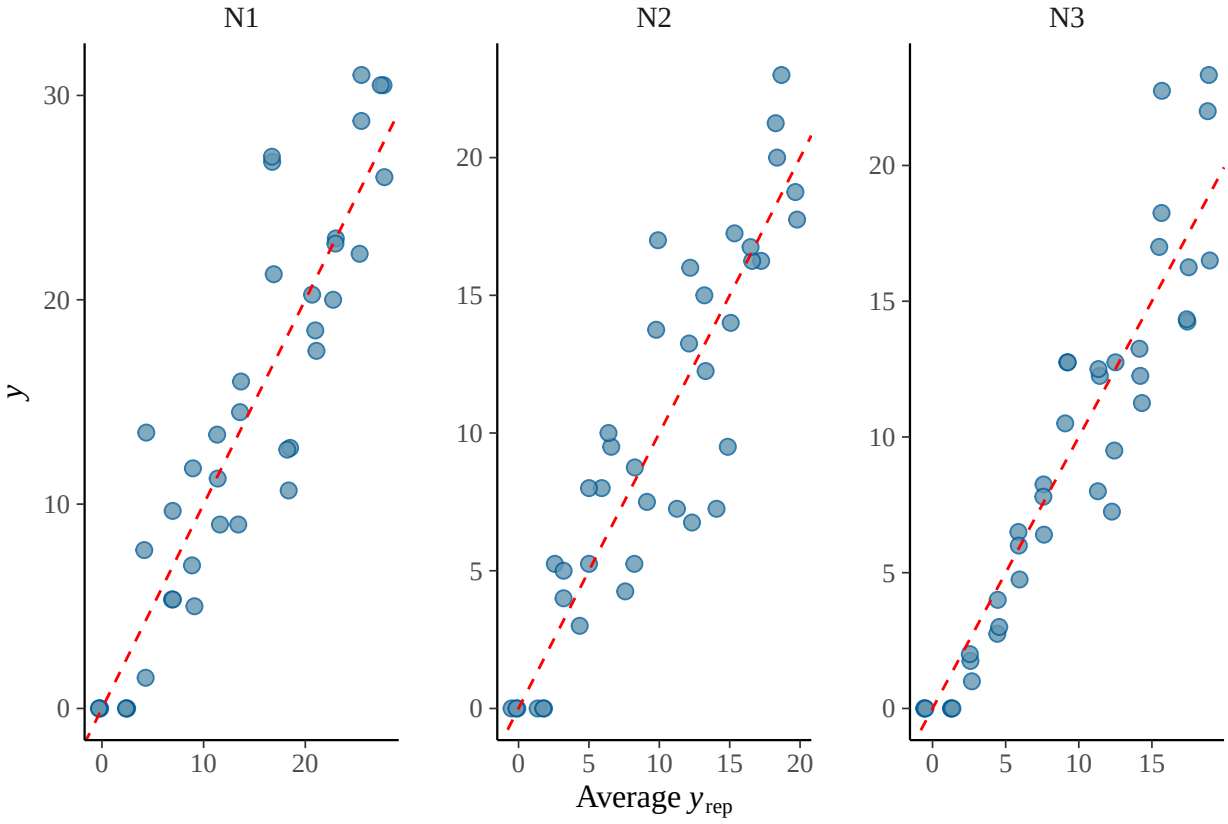
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.05	1.05
sd_set__year	1.00	1.00
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.01	1.02
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Phrag1,Intercept]	1.03	1.03
r_set[Phrag2,Intercept]	1.01	1.01
r_set[Phrag3,Intercept]	1.01	1.01
r_set[Phrag1,year]	1.00	1.00
r_set[Phrag2,year]	1.00	1.01
r_set[Phrag3,year]	1.00	1.00
r_set:horizon[Phrag1_A,Intercept]	1.00	1.00
r_set:horizon[Phrag1_B,Intercept]	1.00	1.00
r_set:horizon[Phrag1_C,Intercept]	1.01	1.01
r_set:horizon[Phrag2_A,Intercept]	1.00	1.00
r_set:horizon[Phrag2_B,Intercept]	1.00	1.00

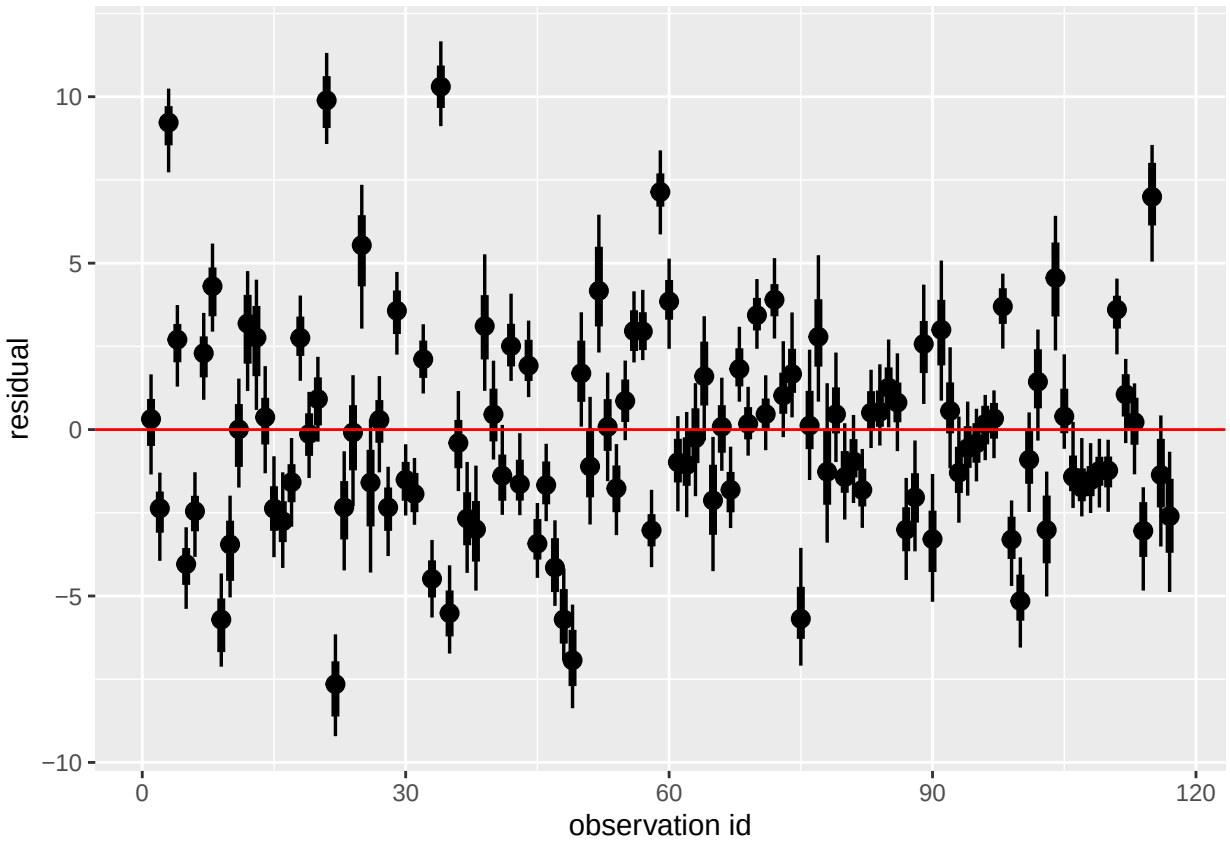
	Point est.	Upper C.I.
r_set:horizon[Phrag2_C,Intercept]	1.00	1.01
r_set:horizon[Phrag3_A,Intercept]	1.00	1.01
r_set:horizon[Phrag3_B,Intercept]	1.00	1.00
r_set:horizon[Phrag3_C,Intercept]	1.01	1.01
r_set:horizon[Phrag1_A,year]	1.00	1.00
r_set:horizon[Phrag1_B,year]	1.00	1.00
r_set:horizon[Phrag1_C,year]	1.00	1.00
r_set:horizon[Phrag2_A,year]	1.00	1.00
r_set:horizon[Phrag2_B,year]	1.00	1.01
r_set:horizon[Phrag2_C,year]	1.01	1.01
r_set:horizon[Phrag3_A,year]	1.00	1.00
r_set:horizon[Phrag3_B,year]	1.00	1.01
r_set:horizon[Phrag3_C,year]	1.00	1.00
lp___	1.00	1.01

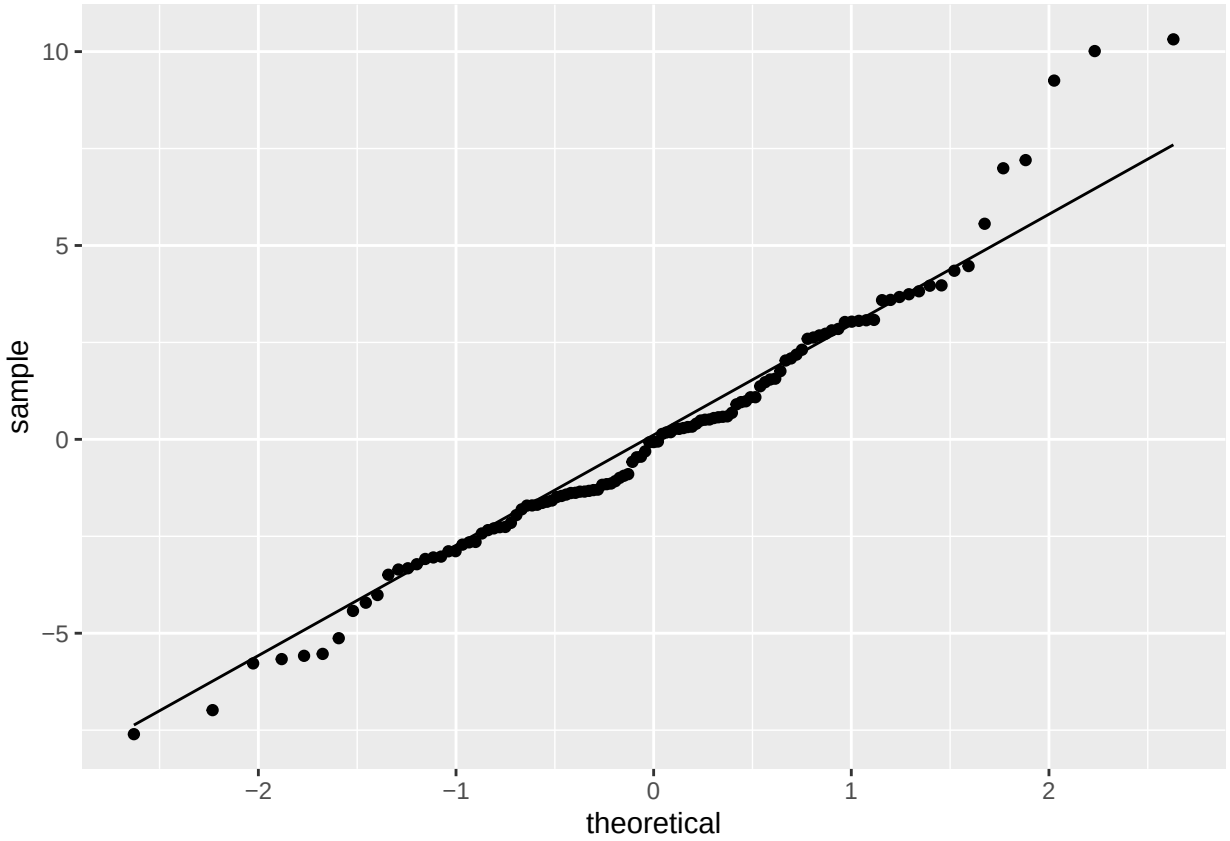
Number of divergences: 2

CACO: NausetMarshN






residual
10
5
0
−5
−10
0
30
60
90
120
observation id

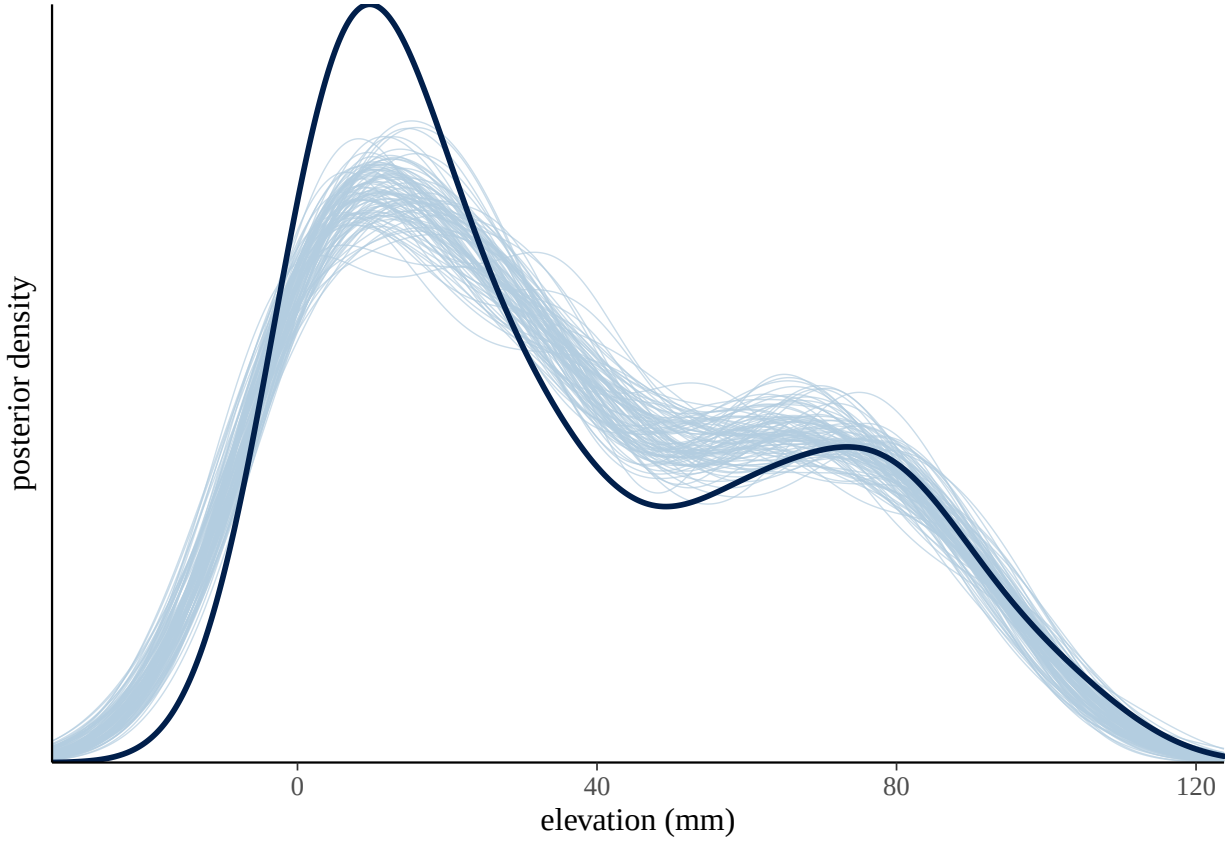


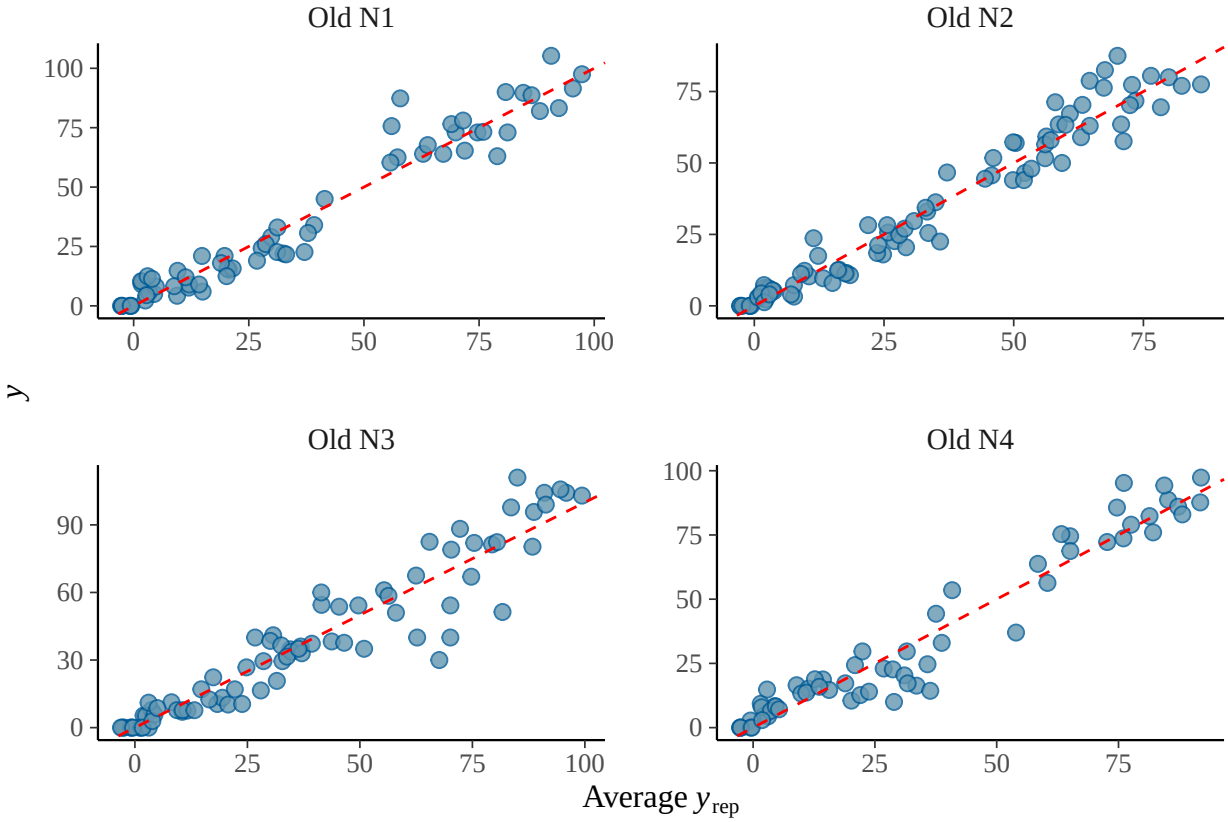
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.00	1.00
sd_set__year	1.02	1.03
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[N1,Intercept]	1.00	1.00
r_set[N2,Intercept]	1.01	1.01
r_set[N3,Intercept]	1.00	1.00
r_set[N1,year]	1.00	1.01
r_set[N2,year]	1.00	1.01
r_set[N3,year]	1.00	1.01
r_set:horizon[N1_A,Intercept]	1.00	1.00
r_set:horizon[N1_B,Intercept]	1.00	1.00
r_set:horizon[N1_C,Intercept]	1.00	1.00
r_set:horizon[N2_A,Intercept]	1.00	1.00
r_set:horizon[N2_B,Intercept]	1.00	1.00

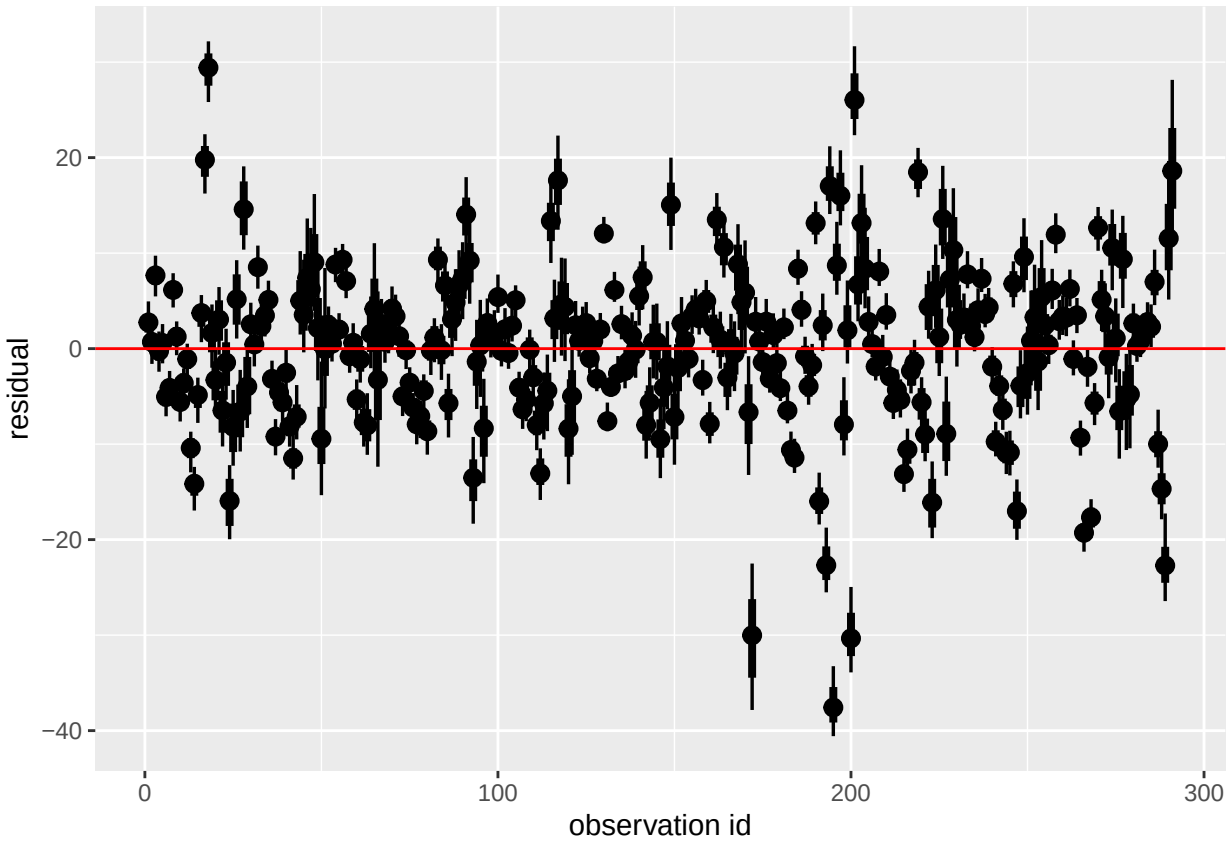
	Point est.	Upper C.I.
r_set:horizon[N2_C,Intercept]	1.00	1.00
r_set:horizon[N3_A,Intercept]	1.00	1.00
r_set:horizon[N3_B,Intercept]	1.00	1.00
r_set:horizon[N3_C,Intercept]	1.00	1.00
r_set:horizon[N1_A,year]	1.00	1.00
r_set:horizon[N1_B,year]	1.00	1.00
r_set:horizon[N1_C,year]	1.01	1.01
r_set:horizon[N2_A,year]	1.00	1.00
r_set:horizon[N2_B,year]	1.00	1.00
r_set:horizon[N2_C,year]	1.00	1.00
r_set:horizon[N3_A,year]	1.00	1.00
r_set:horizon[N3_B,year]	1.00	1.00
r_set:horizon[N3_C,year]	1.00	1.00
lp___	1.00	1.01

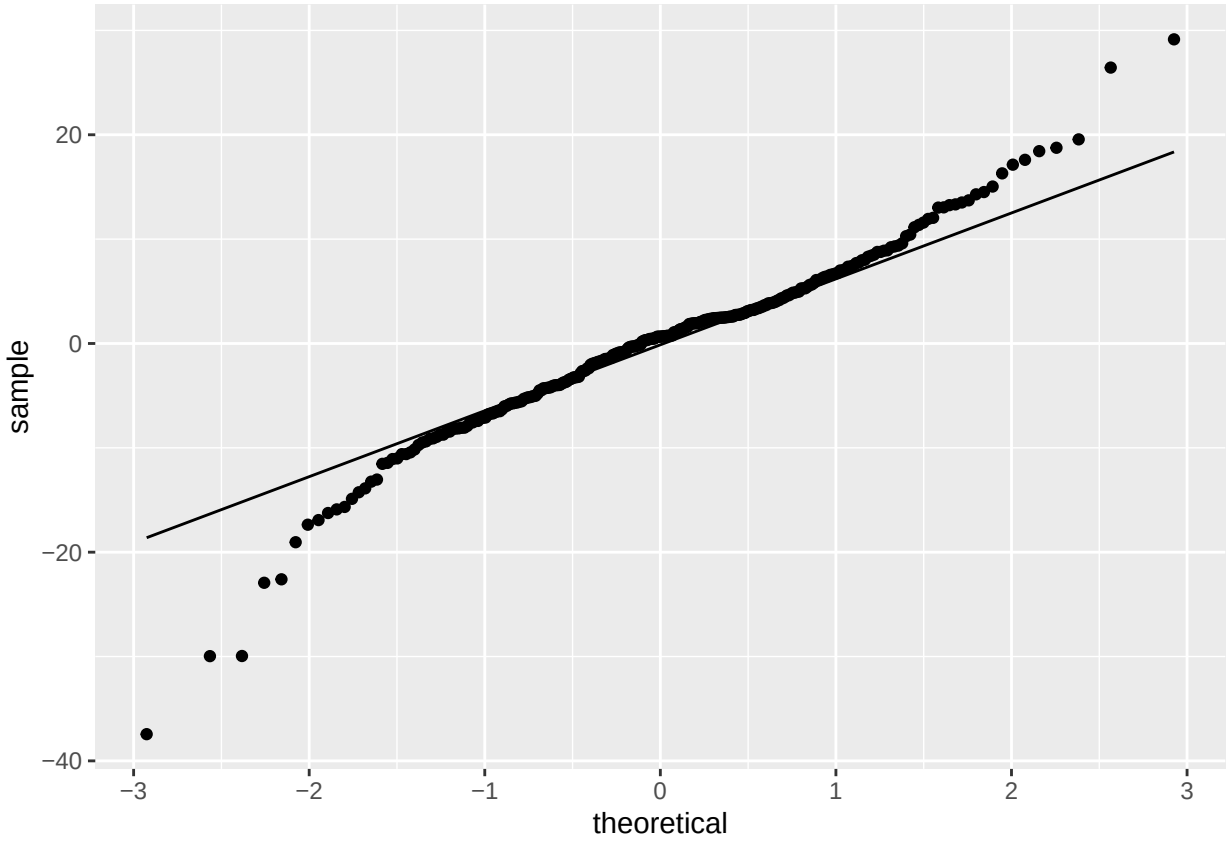
Number of divergences: 1

CACO: NausetMarshOldN






residual
20
0
−20
−40
0
100
200
300
observation id

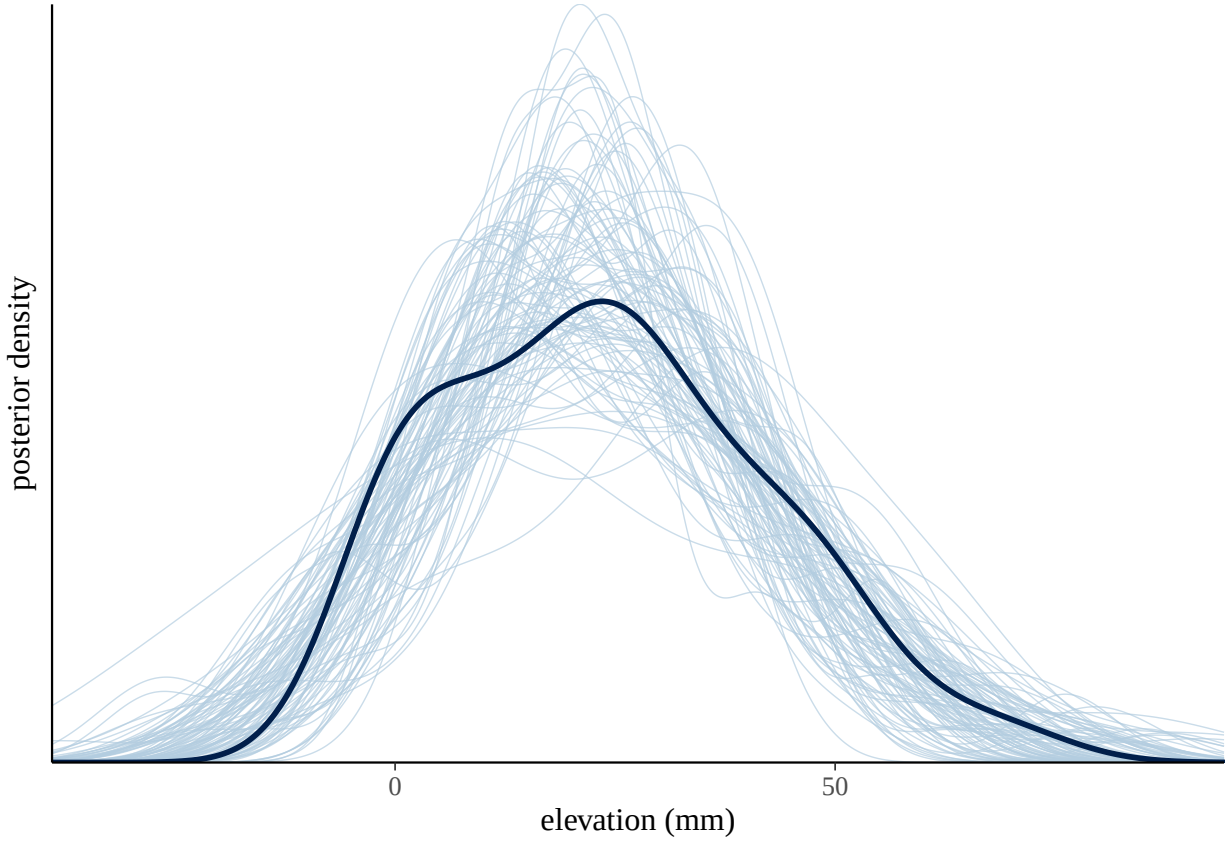


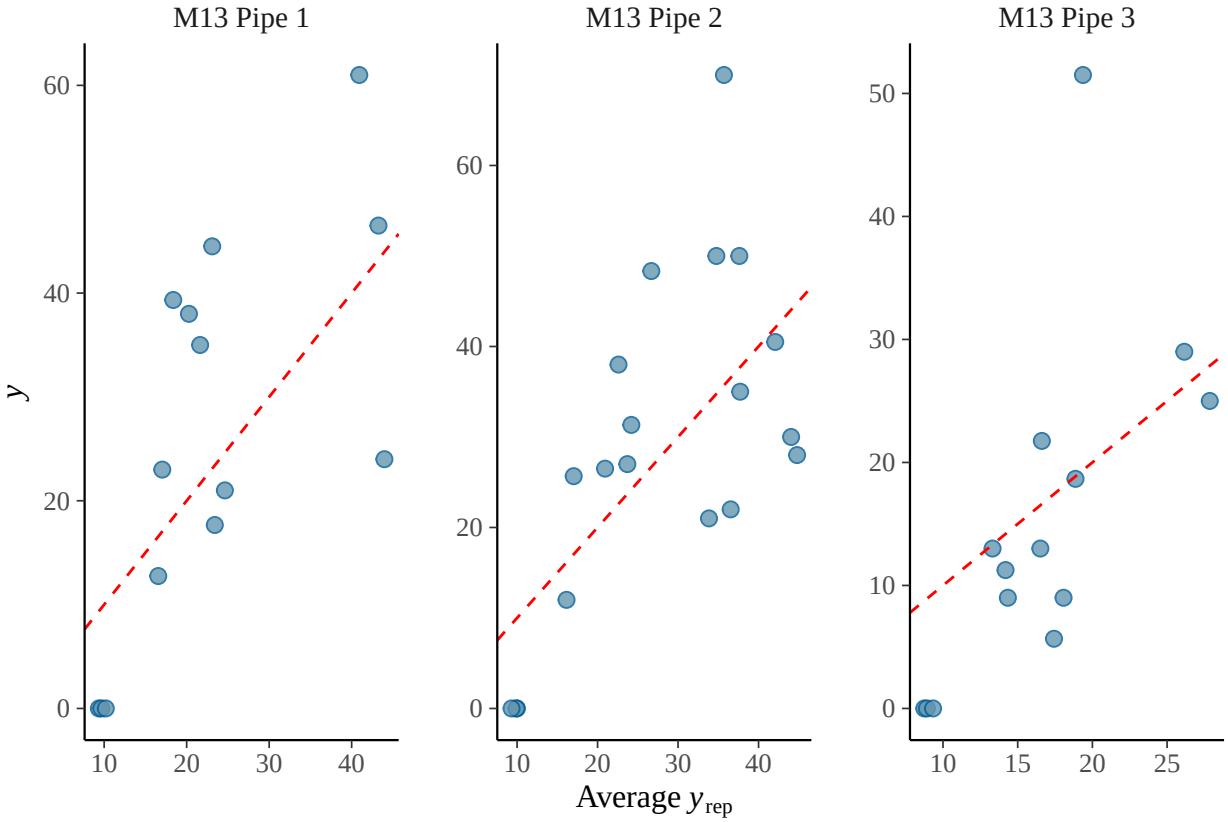
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.00	1.00
sd_set__year	1.00	1.01
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.01
r_set[Old.N1,Intercept]	1.01	1.01
r_set[Old.N2,Intercept]	1.00	1.01
r_set[Old.N3,Intercept]	1.00	1.01
r_set[Old.N4,Intercept]	1.01	1.01
r_set[Old.N1,year]	1.00	1.00
r_set[Old.N2,year]	1.00	1.00
r_set[Old.N3,year]	1.00	1.00
r_set[Old.N4,year]	1.00	1.00
r_set:horizon[Old.N1_A,Intercept]	1.01	1.01
r_set:horizon[Old.N1_B,Intercept]	1.00	1.00
r_set:horizon[Old.N1_C,Intercept]	1.00	1.00

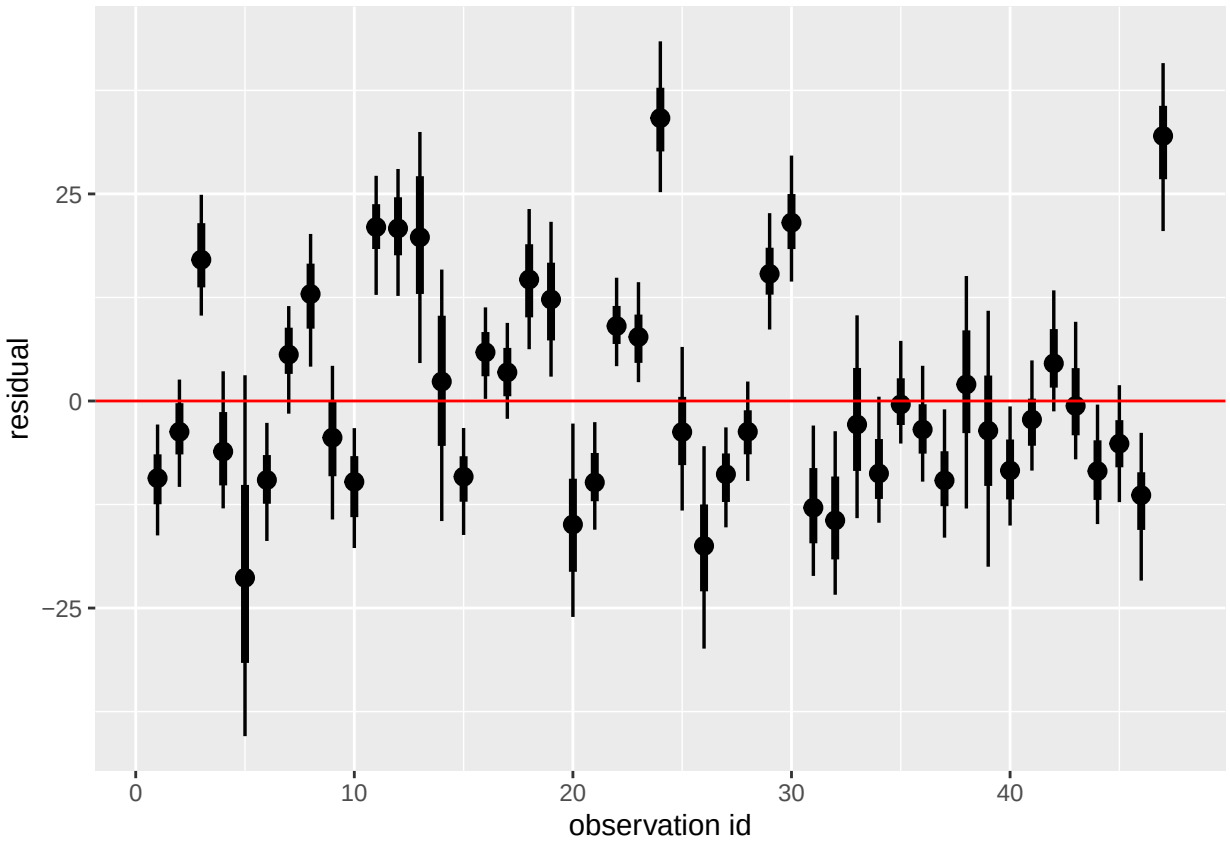
	Point est.	Upper C.I.
r_set:horizon[Old.N2_A,Intercept]	1.00	1.00
r_set:horizon[Old.N2_B,Intercept]	1.00	1.01
r_set:horizon[Old.N2_C,Intercept]	1.00	1.00
r_set:horizon[Old.N3_A,Intercept]	1.01	1.02
r_set:horizon[Old.N3_B,Intercept]	1.00	1.00
r_set:horizon[Old.N3_C,Intercept]	1.01	1.01
r_set:horizon[Old.N4_A,Intercept]	1.00	1.01
r_set:horizon[Old.N4_B,Intercept]	1.00	1.01
r_set:horizon[Old.N4_C,Intercept]	1.00	1.00
r_set:horizon[Old.N1_A,year]	1.00	1.01
r_set:horizon[Old.N1_B,year]	1.00	1.01
r_set:horizon[Old.N1_C,year]	1.00	1.01
r_set:horizon[Old.N2_A,year]	1.00	1.00
r_set:horizon[Old.N2_B,year]	1.00	1.00
r_set:horizon[Old.N2_C,year]	1.00	1.00
r_set:horizon[Old.N3_A,year]	1.00	1.00
r_set:horizon[Old.N3_B,year]	1.00	1.00
r_set:horizon[Old.N3_C,year]	1.00	1.00
r_set:horizon[Old.N4_A,year]	1.00	1.00
r_set:horizon[Old.N4_B,year]	1.00	1.00
r_set:horizon[Old.N4_C,year]	1.00	1.00
lp___	1.00	1.00

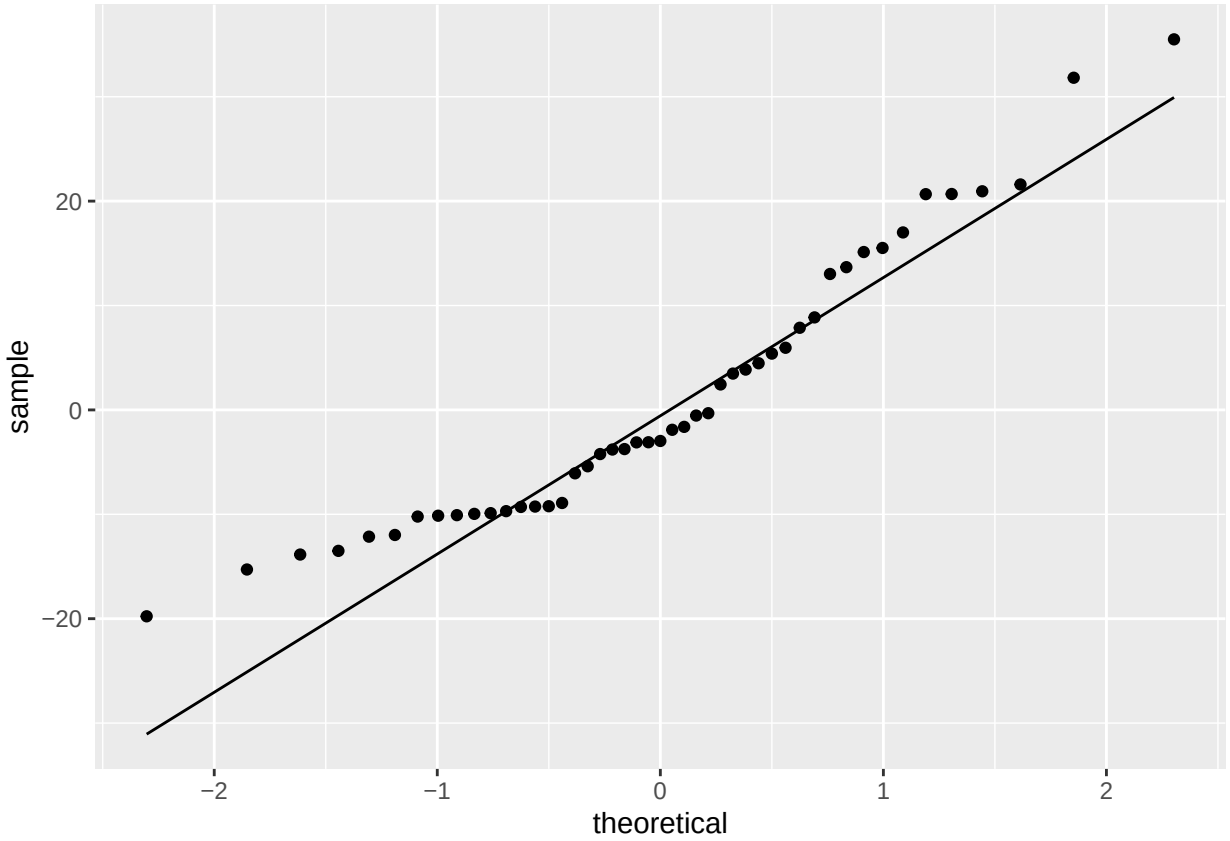
Number of divergences: 0

COLO: Marsh13






residual
25
0
−25
0
10
20
30
40
observation id

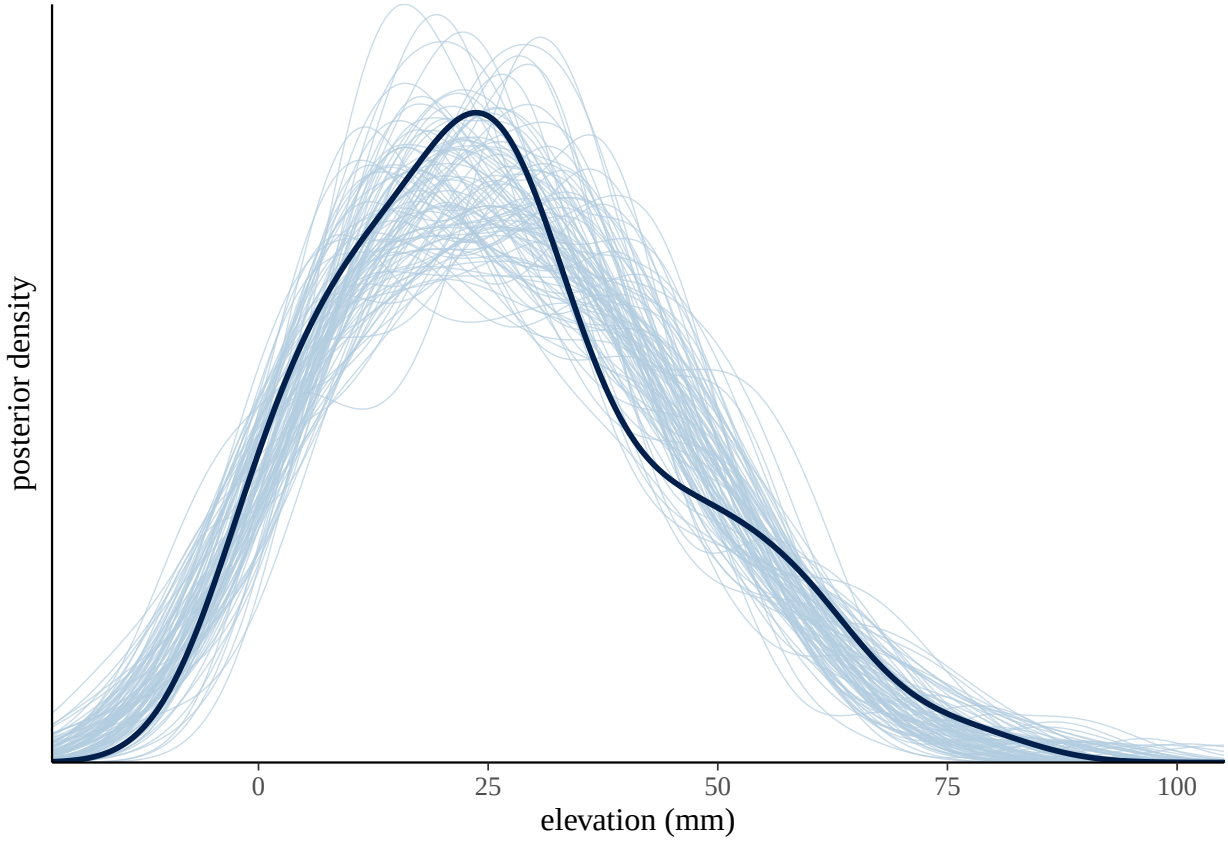


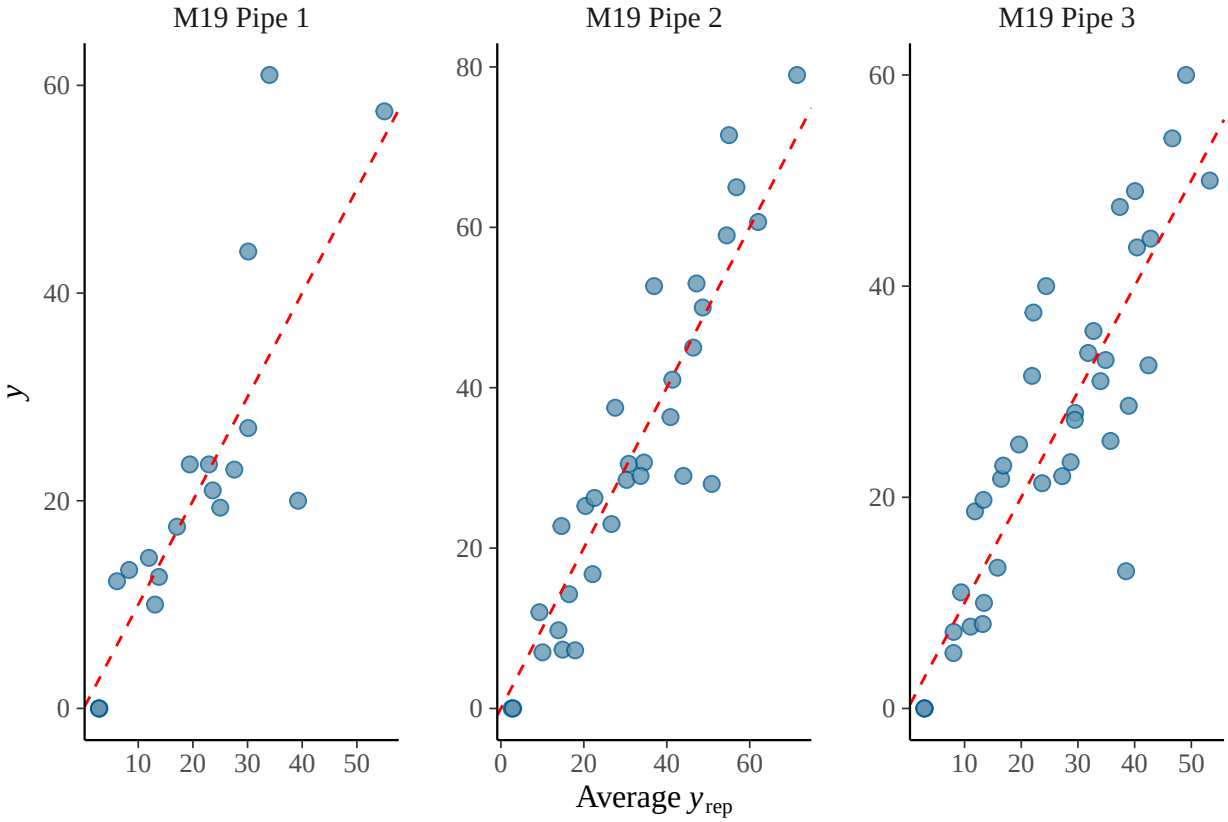
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.01	1.03
sd_set__Intercept	1.02	1.02
sd_set__year	1.01	1.03
sd_set:horizon__Intercept	1.01	1.02
sd_set:horizon__year	1.01	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.01	1.01
r_set[M13.Pipe.1,Intercept]	1.02	1.03
r_set[M13.Pipe.2,Intercept]	1.01	1.02
r_set[M13.Pipe.3,Intercept]	1.01	1.01
r_set[M13.Pipe.1,year]	1.01	1.04
r_set[M13.Pipe.2,year]	1.01	1.04
r_set[M13.Pipe.3,year]	1.01	1.02
r_set:horizon[M13.Pipe.1_A,Intercept]	1.01	1.01
r_set:horizon[M13.Pipe.1_B,Intercept]	1.00	1.01
r_set:horizon[M13.Pipe.1_C,Intercept]	1.01	1.02
r_set:horizon[M13.Pipe.2_A,Intercept]	1.01	1.01
r_set:horizon[M13.Pipe.2_B,Intercept]	1.02	1.02

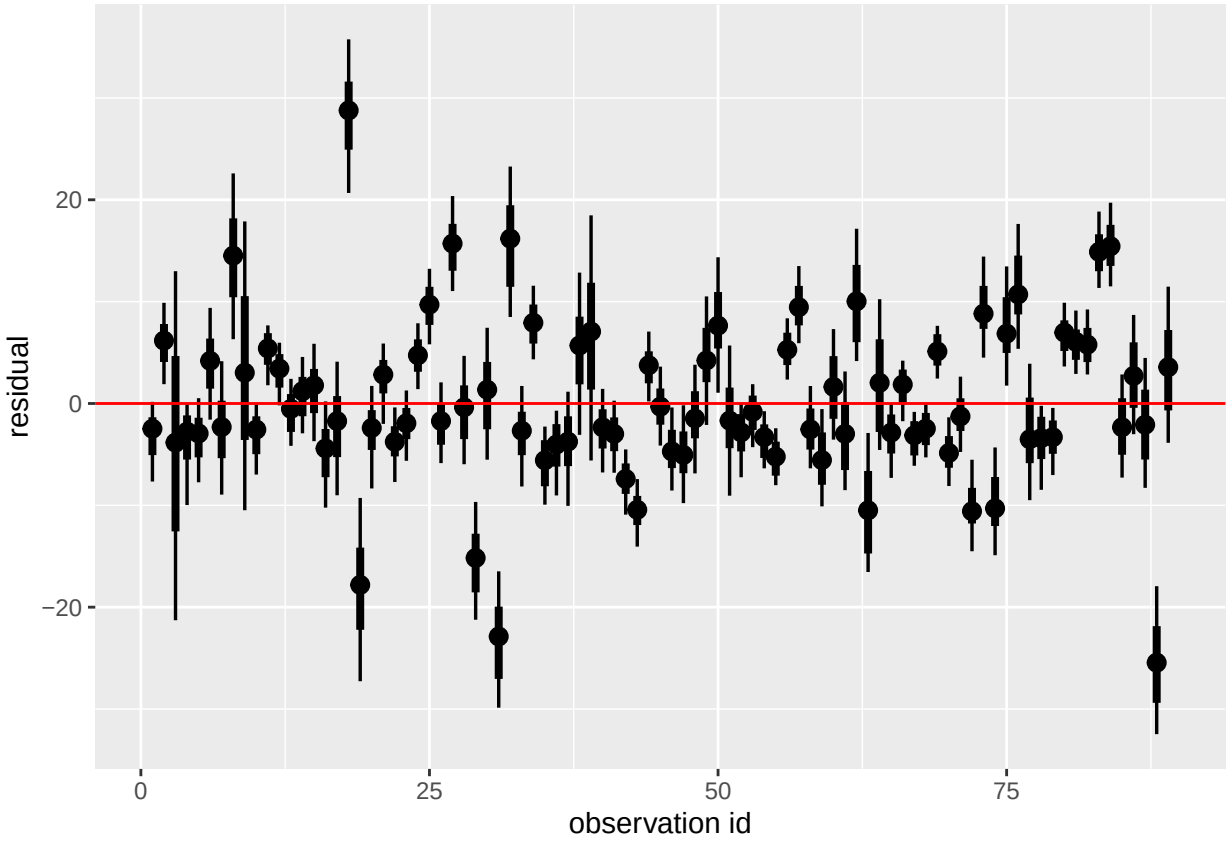
	Point est.	Upper C.I.
r_set:horizon[M13.Pipe.2_C,Intercept]	1.00	1.00
r_set:horizon[M13.Pipe.3_A,Intercept]	1.00	1.00
r_set:horizon[M13.Pipe.3_B,Intercept]	1.01	1.01
r_set:horizon[M13.Pipe.3_C,Intercept]	1.01	1.01
r_set:horizon[M13.Pipe.1_A,year]	1.01	1.01
r_set:horizon[M13.Pipe.1_B,year]	1.01	1.01
r_set:horizon[M13.Pipe.1_C,year]	1.00	1.01
r_set:horizon[M13.Pipe.2_A,year]	1.00	1.00
r_set:horizon[M13.Pipe.2_B,year]	1.01	1.01
r_set:horizon[M13.Pipe.2_C,year]	1.00	1.00
r_set:horizon[M13.Pipe.3_A,year]	1.00	1.01
r_set:horizon[M13.Pipe.3_B,year]	1.00	1.01
r_set:horizon[M13.Pipe.3_C,year]	1.00	1.00
lp___	1.01	1.04

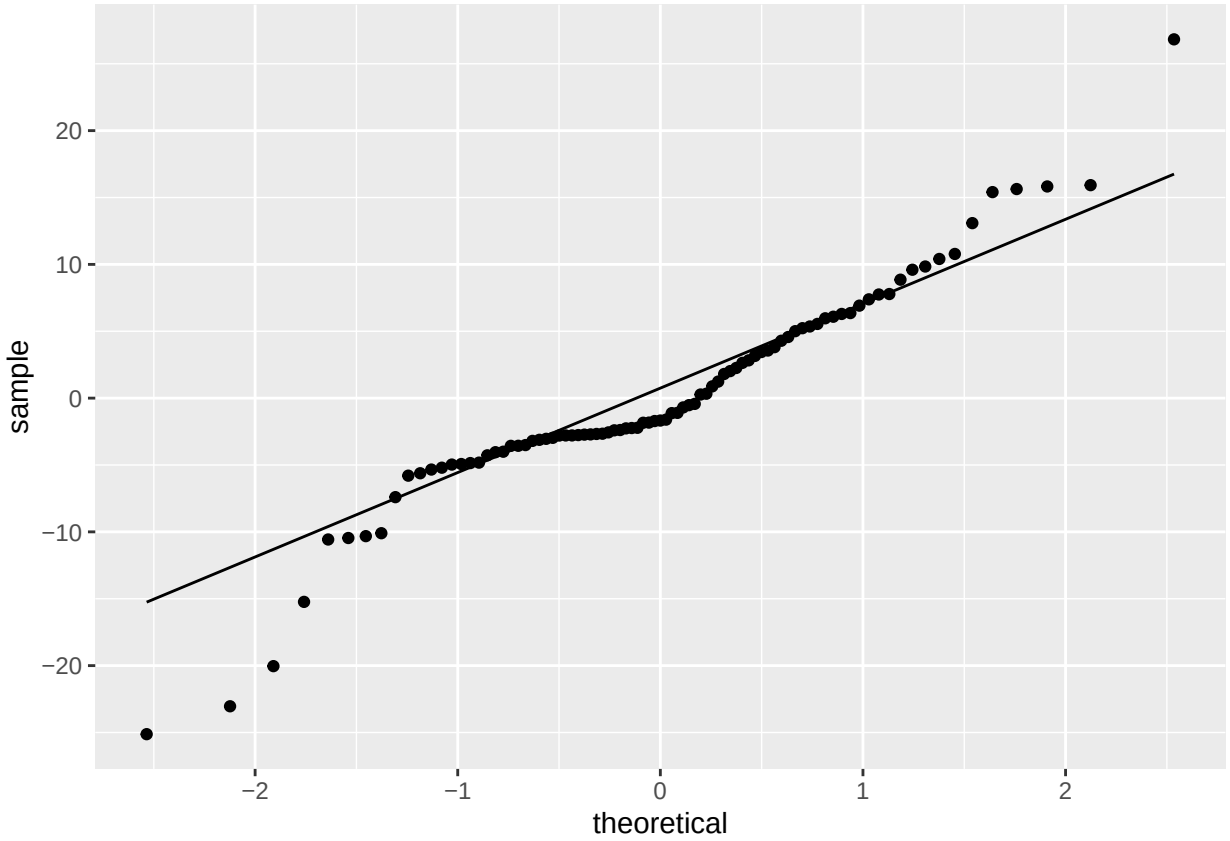
Number of divergences: 0

COLO: Marsh19






residual
20
0
−20
0
25
50
75
observation id

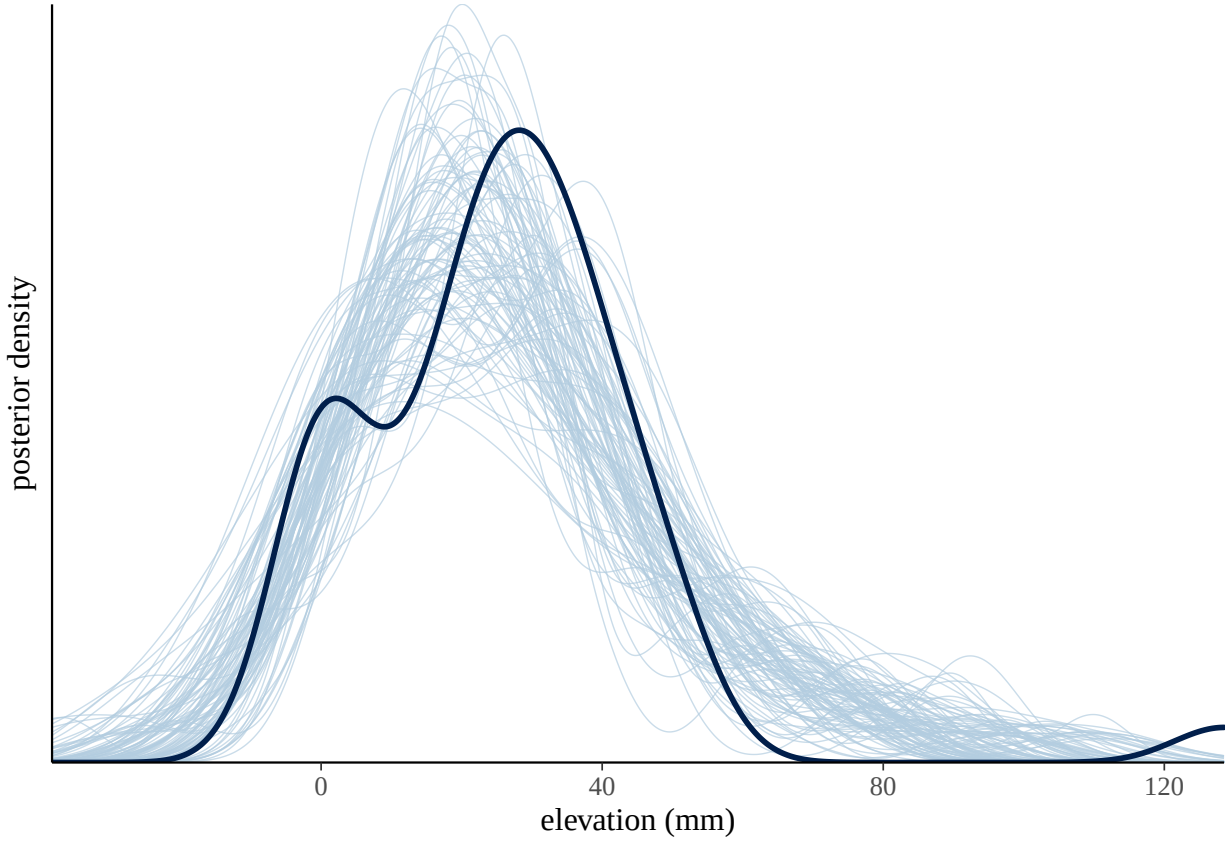


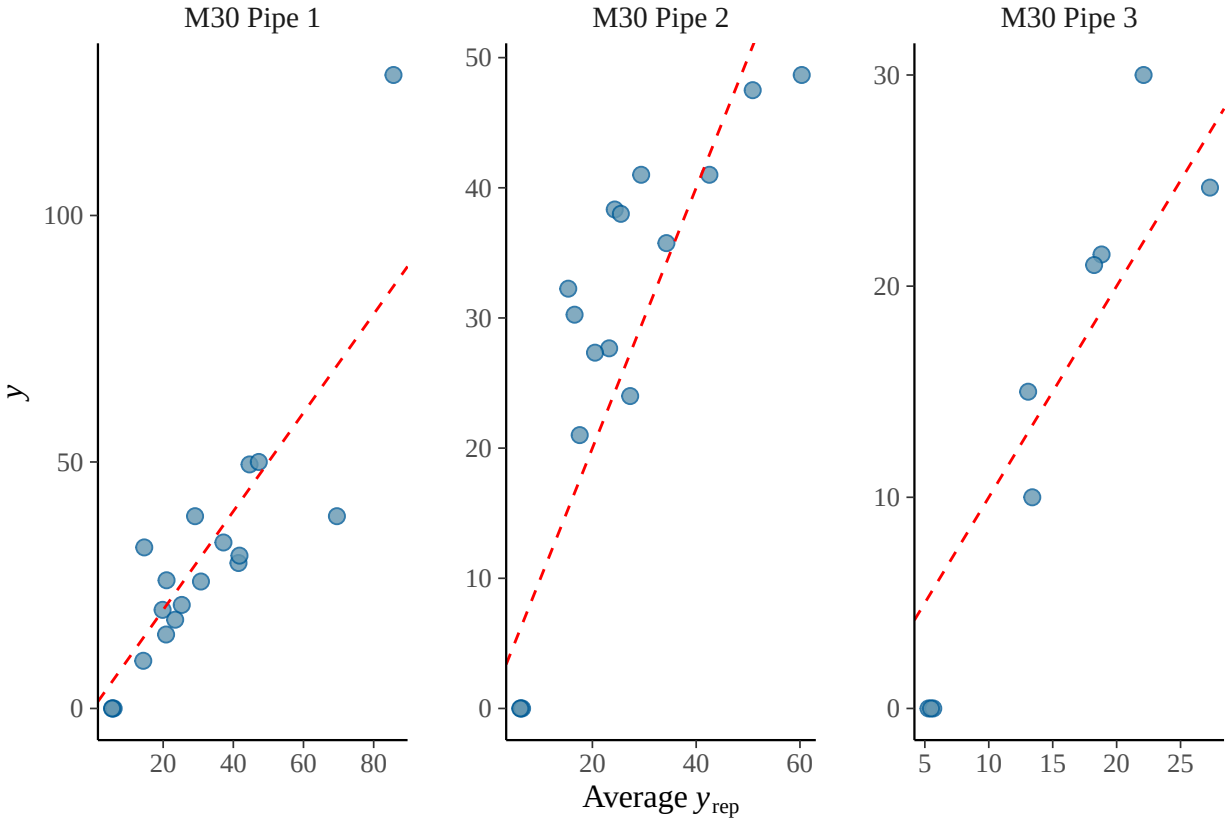
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.01	1.01
sd_set__year	1.01	1.02
sd_set:horizon__Intercept	1.00	1.01
sd_set:horizon__year	1.02	1.04
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.01	1.03
sigma	1.00	1.00
r_set[M19.Pipe.1,Intercept]	1.01	1.01
r_set[M19.Pipe.2,Intercept]	1.00	1.01
r_set[M19.Pipe.3,Intercept]	1.01	1.02
r_set[M19.Pipe.1,year]	1.01	1.02
r_set[M19.Pipe.2,year]	1.01	1.03
r_set[M19.Pipe.3,year]	1.00	1.01
r_set:horizon[M19.Pipe.1_A,Intercept]	1.01	1.01
r_set:horizon[M19.Pipe.1_B,Intercept]	1.02	1.03
r_set:horizon[M19.Pipe.1_C,Intercept]	1.00	1.00
r_set:horizon[M19.Pipe.2_A,Intercept]	1.01	1.01
r_set:horizon[M19.Pipe.2_B,Intercept]	1.01	1.02

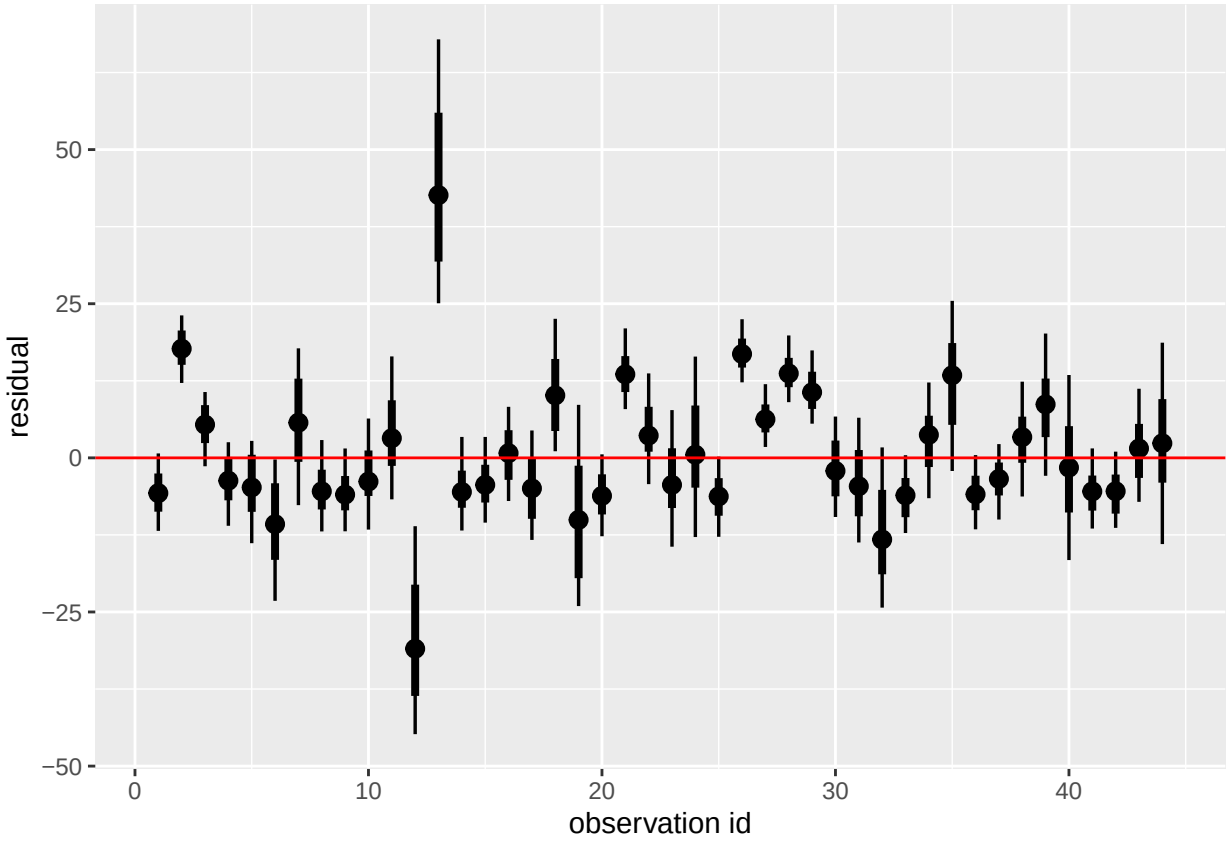
	Point est.	Upper C.I.
r_set:horizon[M19.Pipe.2_C,Intercept]	1.01	1.01
r_set:horizon[M19.Pipe.3_A,Intercept]	1.00	1.00
r_set:horizon[M19.Pipe.3_B,Intercept]	1.00	1.01
r_set:horizon[M19.Pipe.3_C,Intercept]	1.00	1.00
r_set:horizon[M19.Pipe.1_A,year]	1.01	1.02
r_set:horizon[M19.Pipe.1_B,year]	1.01	1.03
r_set:horizon[M19.Pipe.1_C,year]	1.01	1.03
r_set:horizon[M19.Pipe.2_A,year]	1.01	1.03
r_set:horizon[M19.Pipe.2_B,year]	1.01	1.04
r_set:horizon[M19.Pipe.2_C,year]	1.01	1.03
r_set:horizon[M19.Pipe.3_A,year]	1.01	1.01
r_set:horizon[M19.Pipe.3_B,year]	1.01	1.02
r_set:horizon[M19.Pipe.3_C,year]	1.00	1.01
lp___	1.00	1.01

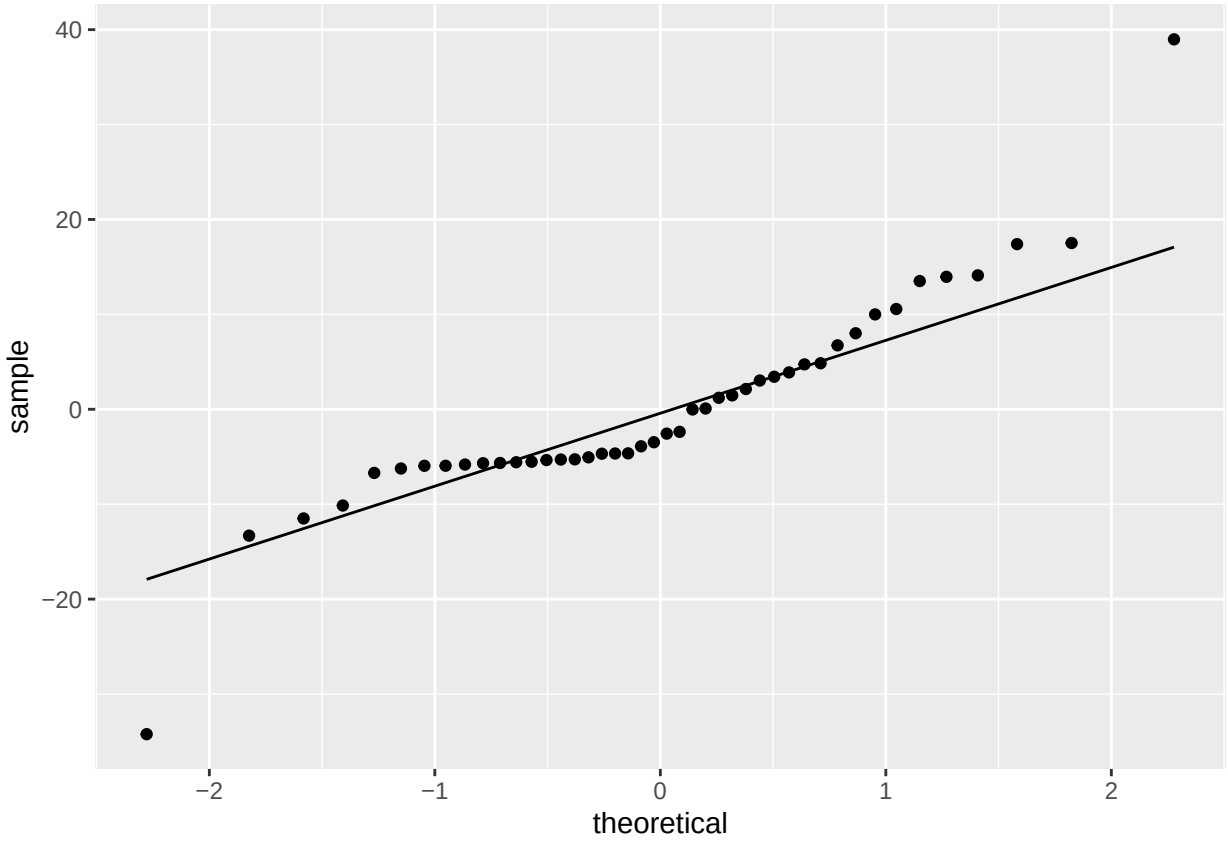
Number of divergences: 2

COLO: Marsh30






50
25
0
−25
−50
residual
0
10
20
30
40
observation id

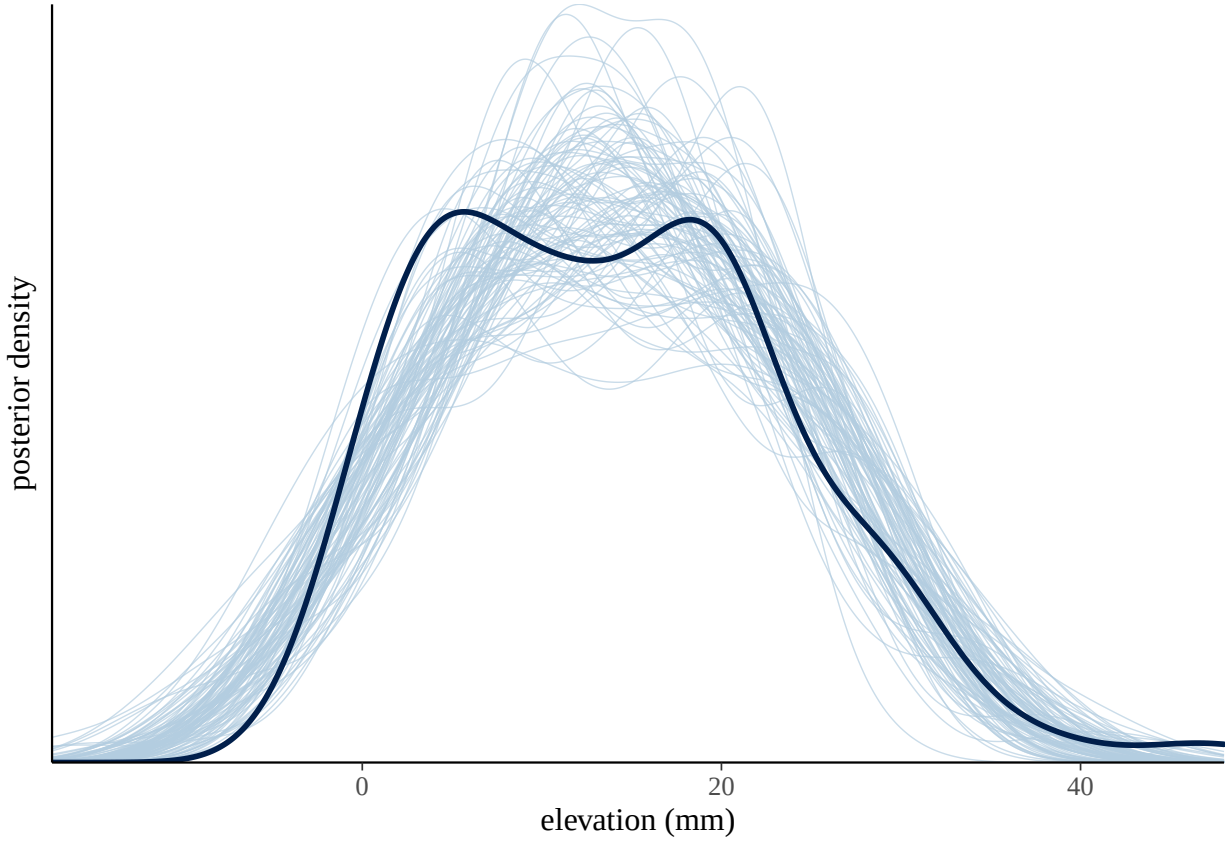


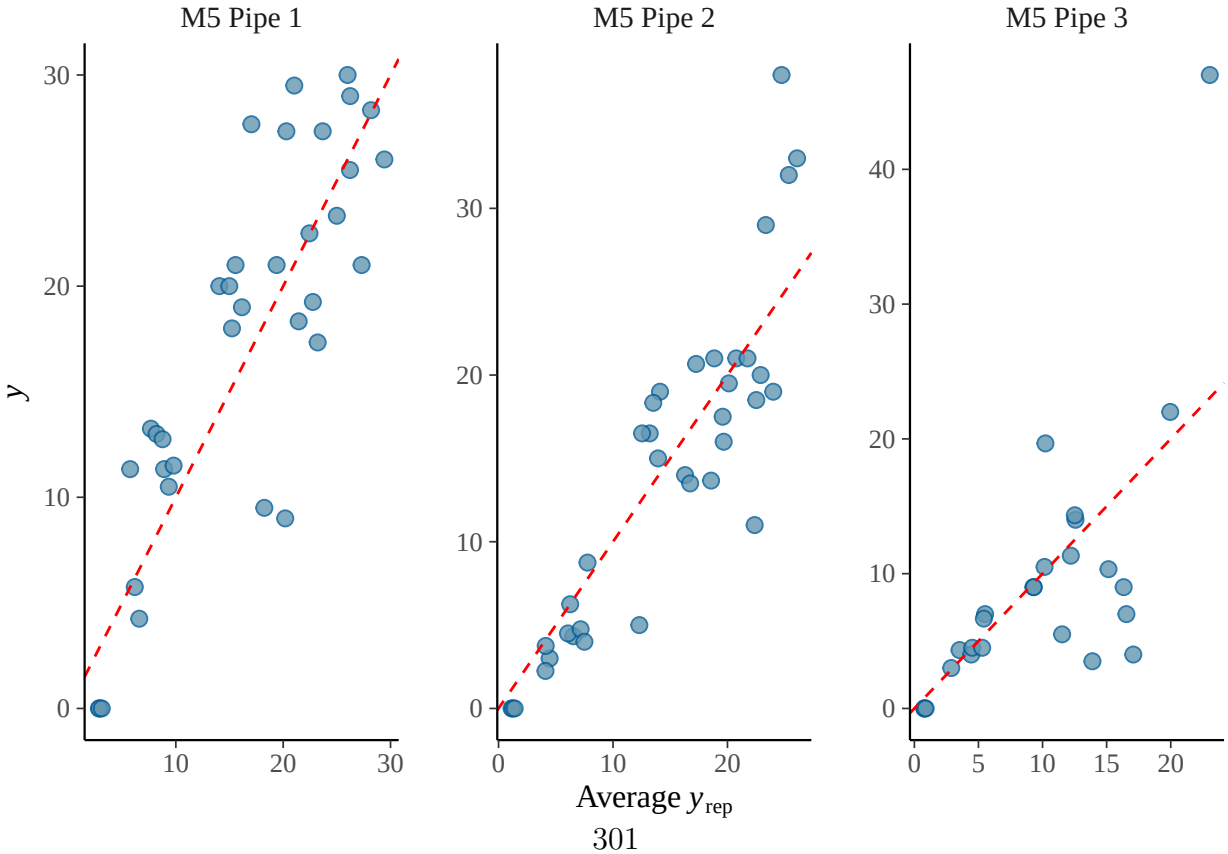
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.04	1.05
sd_set__year	1.01	1.02
sd_set:horizon__Intercept	1.01	1.02
sd_set:horizon__year	1.02	1.05
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[M30.Pipe.1,Intercept]	1.01	1.02
r_set[M30.Pipe.2,Intercept]	1.03	1.04
r_set[M30.Pipe.3,Intercept]	1.01	1.01
r_set[M30.Pipe.1,year]	1.01	1.05
r_set[M30.Pipe.2,year]	1.01	1.03
r_set[M30.Pipe.3,year]	1.00	1.01
r_set:horizon[M30.Pipe.1_A,Intercept]	1.02	1.02
r_set:horizon[M30.Pipe.1_B,Intercept]	1.01	1.01
r_set:horizon[M30.Pipe.1_C,Intercept]	1.00	1.00
r_set:horizon[M30.Pipe.2_A,Intercept]	1.01	1.01
r_set:horizon[M30.Pipe.2_B,Intercept]	1.01	1.01

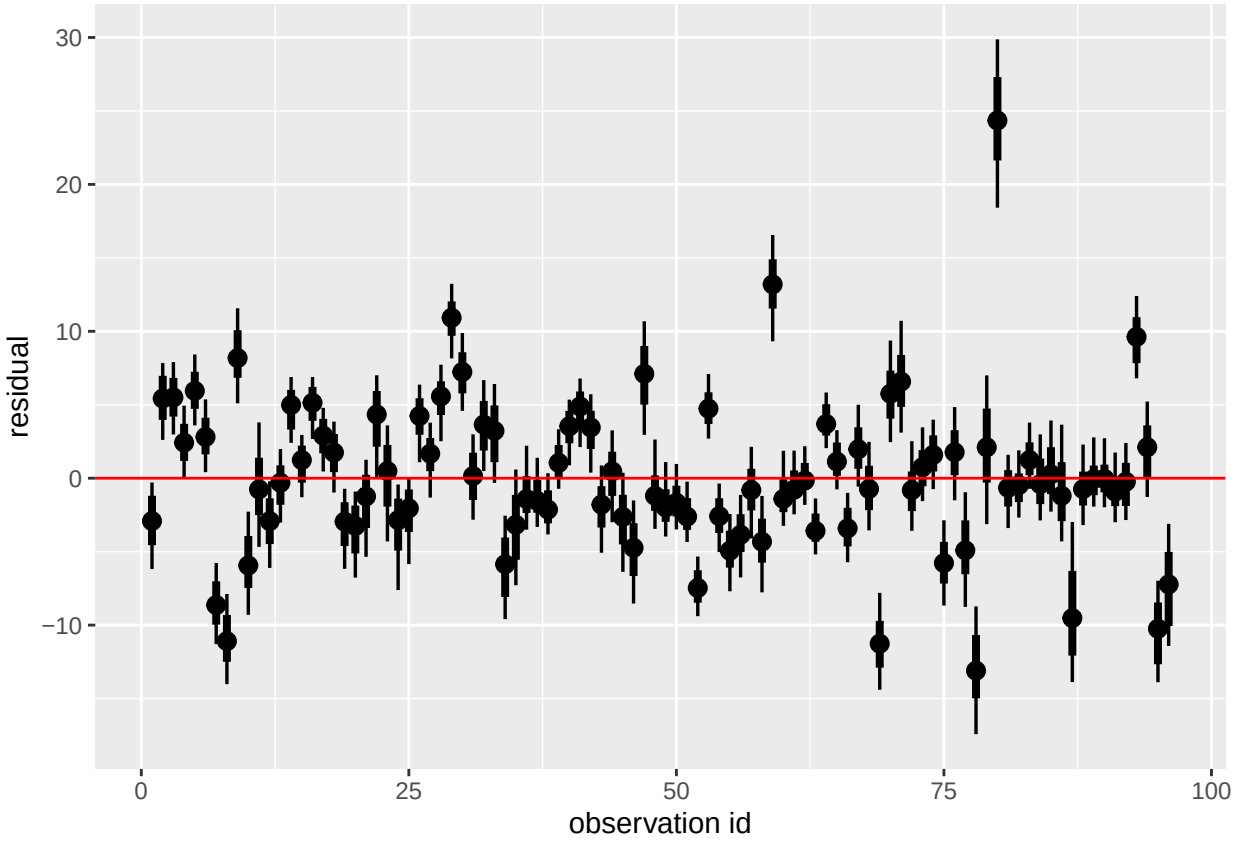
	Point est.	Upper C.I.
r_set:horizon[M30.Pipe.2_C,Intercept]	1.01	1.01
r_set:horizon[M30.Pipe.3_A,Intercept]	1.00	1.00
r_set:horizon[M30.Pipe.3_B,Intercept]	1.00	1.01
r_set:horizon[M30.Pipe.3_C,Intercept]	1.01	1.01
r_set:horizon[M30.Pipe.1_A,year]	1.02	1.06
r_set:horizon[M30.Pipe.1_B,year]	1.02	1.05
r_set:horizon[M30.Pipe.1_C,year]	1.01	1.04
r_set:horizon[M30.Pipe.2_A,year]	1.01	1.04
r_set:horizon[M30.Pipe.2_B,year]	1.02	1.05
r_set:horizon[M30.Pipe.2_C,year]	1.01	1.04
r_set:horizon[M30.Pipe.3_A,year]	1.00	1.02
r_set:horizon[M30.Pipe.3_B,year]	1.00	1.01
r_set:horizon[M30.Pipe.3_C,year]	1.01	1.02
lp___	1.00	1.01

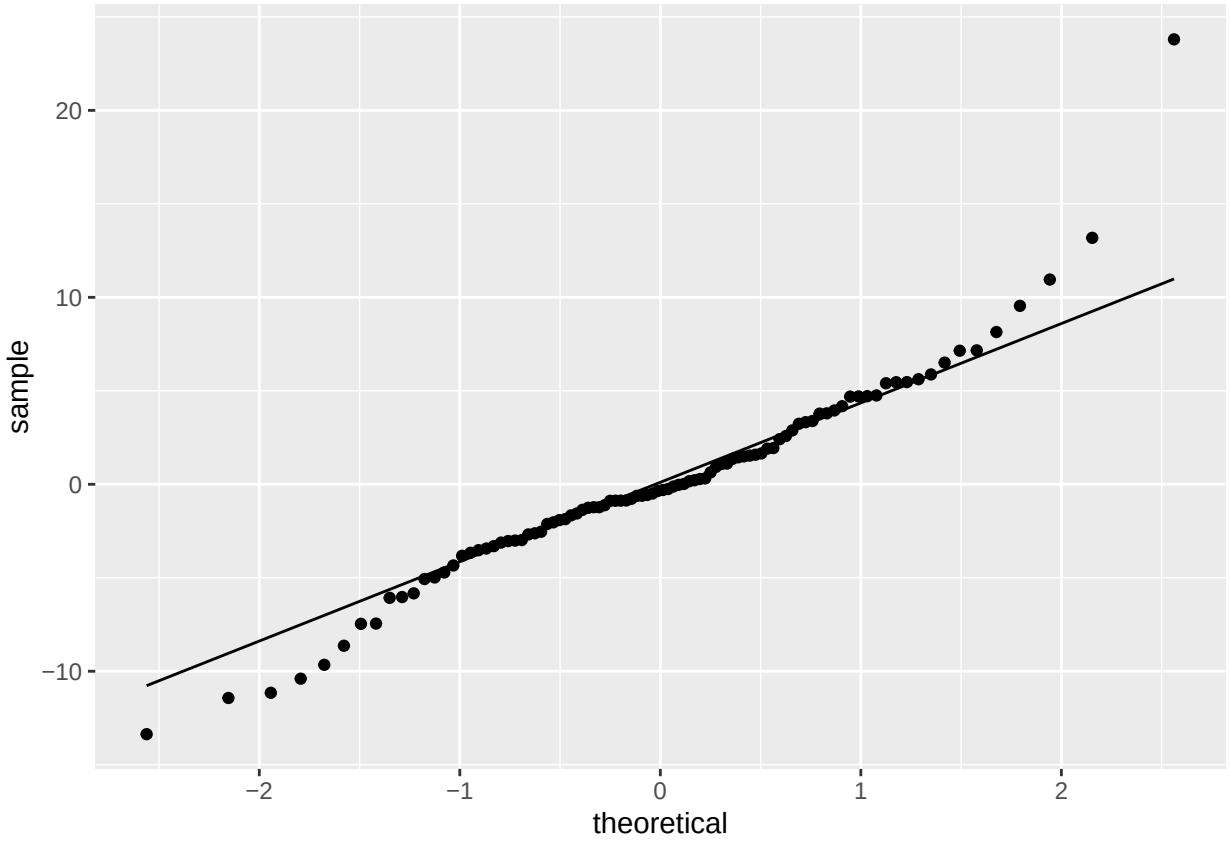
Number of divergences: 0

COLO: Marsh5


posterior density
0
20
40
elevation (mm)


M5 Pipe 1
M5 Pipe 2
M5 Pipe 3
y
0
10
20
30
40
0
5
10
15
20
Average y_{rep}


30
20
10
0
−10
residual
0
25
50
75
100
observation id

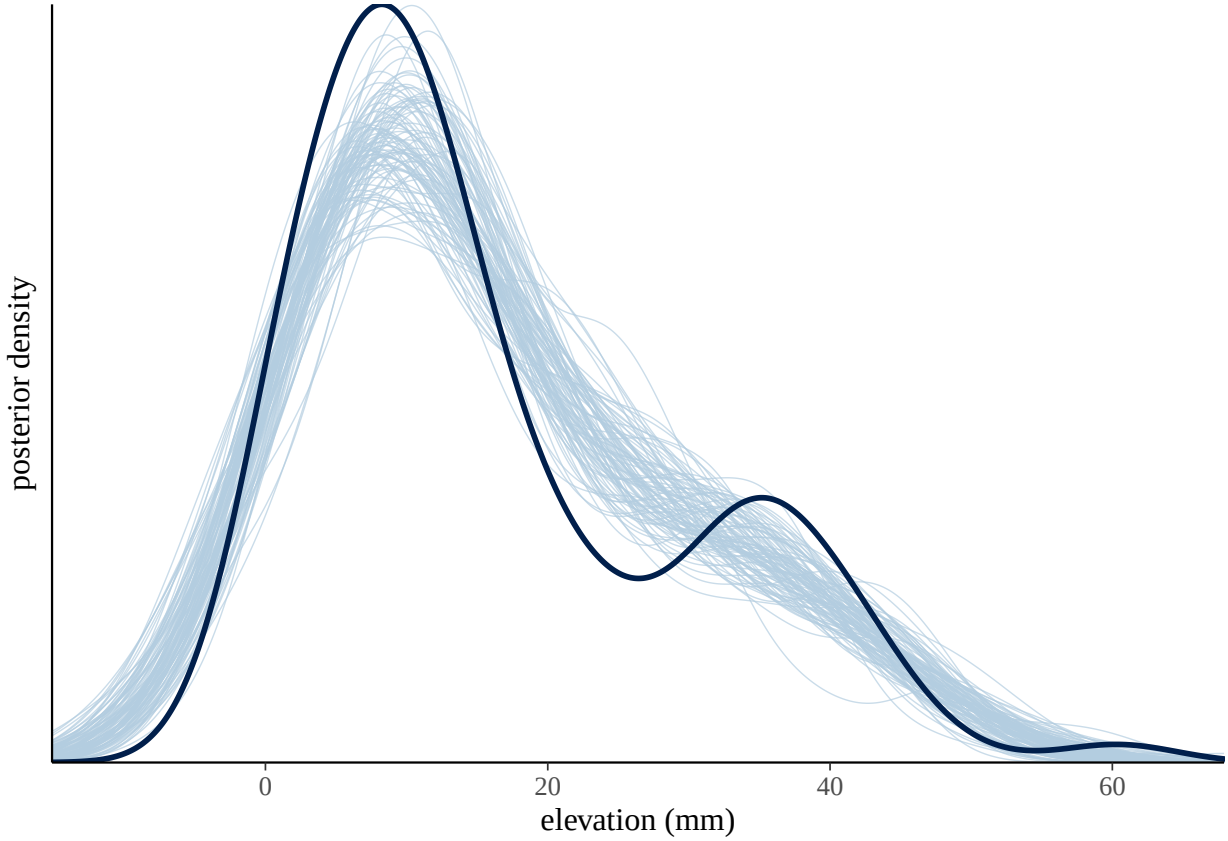


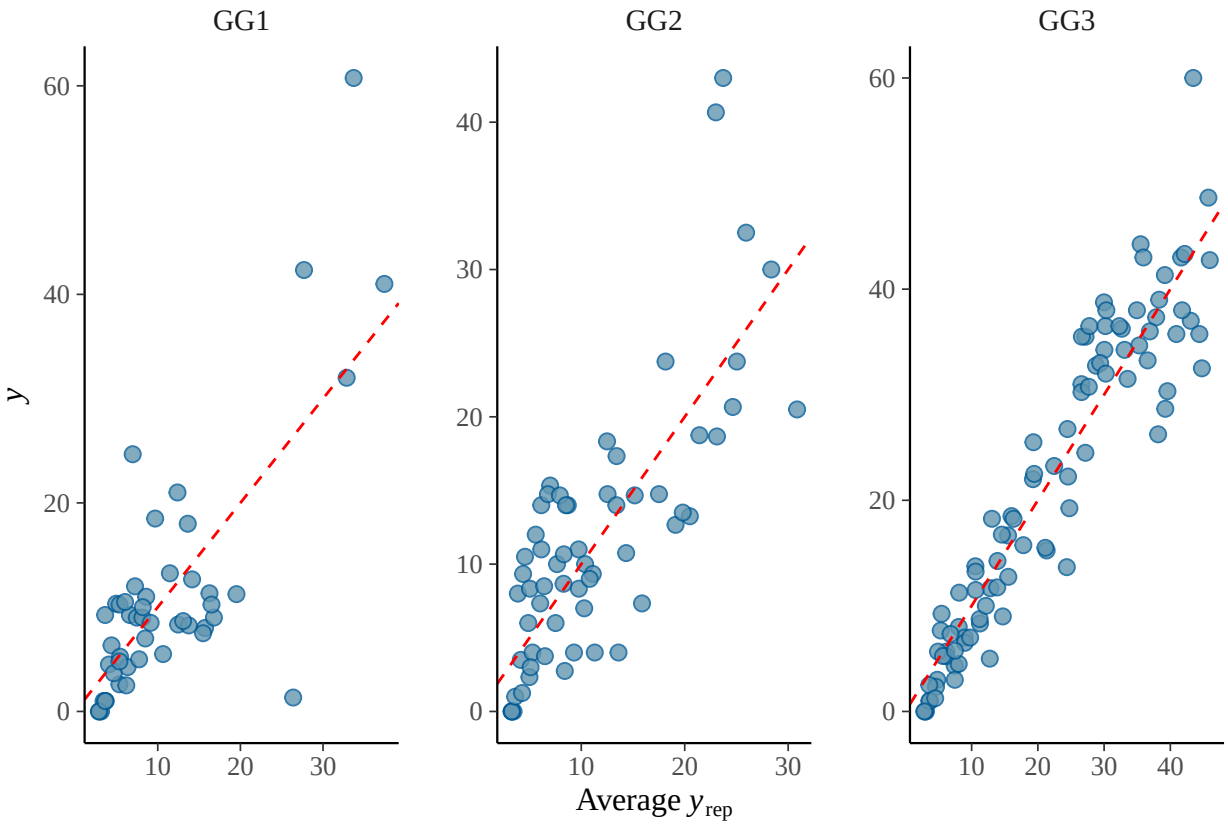
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.02	1.04
sd_set__Intercept	1.01	1.01
sd_set__year	1.01	1.02
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[M5.Pipe.1,Intercept]	1.00	1.00
r_set[M5.Pipe.2,Intercept]	1.00	1.00
r_set[M5.Pipe.3,Intercept]	1.00	1.00
r_set[M5.Pipe.1,year]	1.02	1.05
r_set[M5.Pipe.2,year]	1.02	1.04
r_set[M5.Pipe.3,year]	1.03	1.05
r_set:horizon[M5.Pipe.1_A,Intercept]	1.00	1.01
r_set:horizon[M5.Pipe.1_B,Intercept]	1.00	1.00
r_set:horizon[M5.Pipe.1_C,Intercept]	1.01	1.01
r_set:horizon[M5.Pipe.2_A,Intercept]	1.01	1.01
r_set:horizon[M5.Pipe.2_B,Intercept]	1.00	1.00

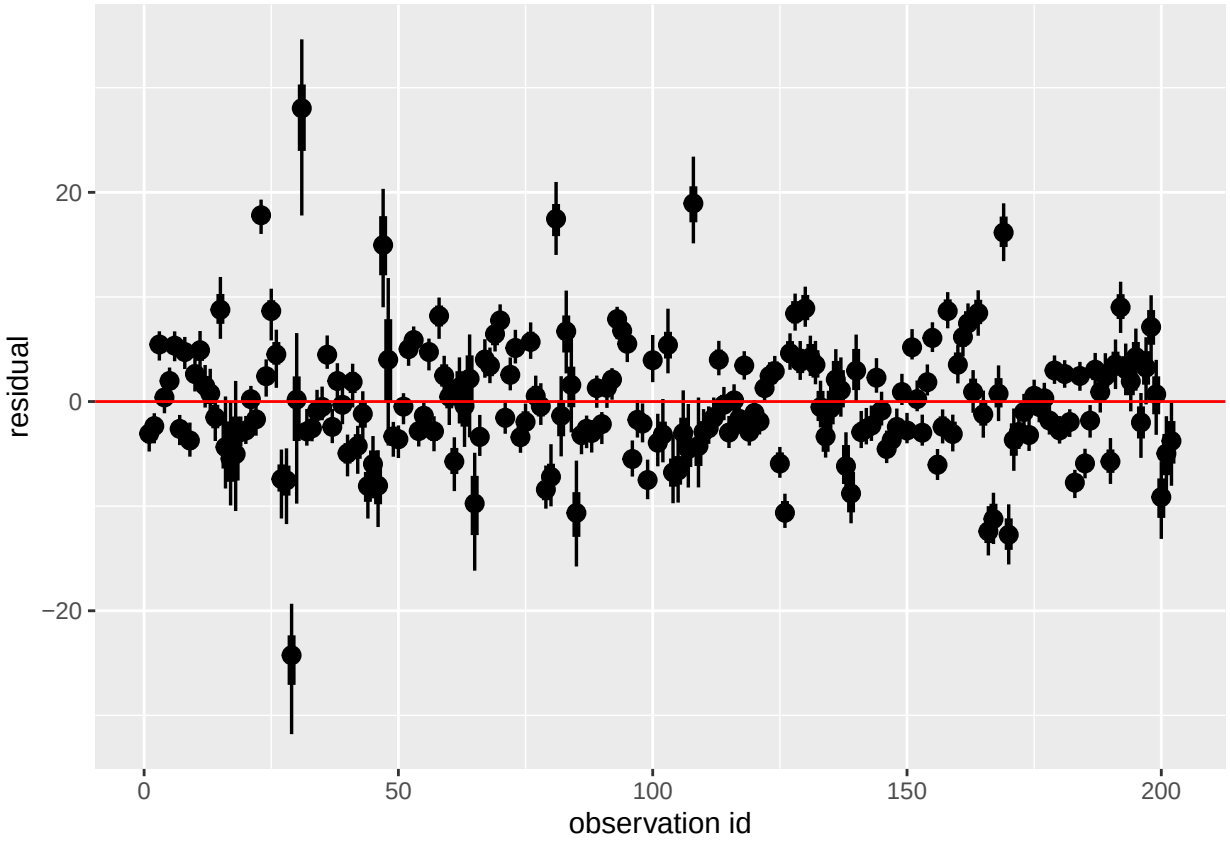
	Point est.	Upper C.I.
r_set:horizon[M5.Pipe.2_C,Intercept]	1.00	1.00
r_set:horizon[M5.Pipe.3_A,Intercept]	1.01	1.01
r_set:horizon[M5.Pipe.3_B,Intercept]	1.00	1.00
r_set:horizon[M5.Pipe.3_C,Intercept]	1.00	1.00
r_set:horizon[M5.Pipe.1_A,year]	1.00	1.01
r_set:horizon[M5.Pipe.1_B,year]	1.00	1.01
r_set:horizon[M5.Pipe.1_C,year]	1.00	1.01
r_set:horizon[M5.Pipe.2_A,year]	1.00	1.01
r_set:horizon[M5.Pipe.2_B,year]	1.00	1.00
r_set:horizon[M5.Pipe.2_C,year]	1.00	1.00
r_set:horizon[M5.Pipe.3_A,year]	1.00	1.00
r_set:horizon[M5.Pipe.3_B,year]	1.00	1.00
r_set:horizon[M5.Pipe.3_C,year]	1.00	1.00
lp___	1.01	1.02

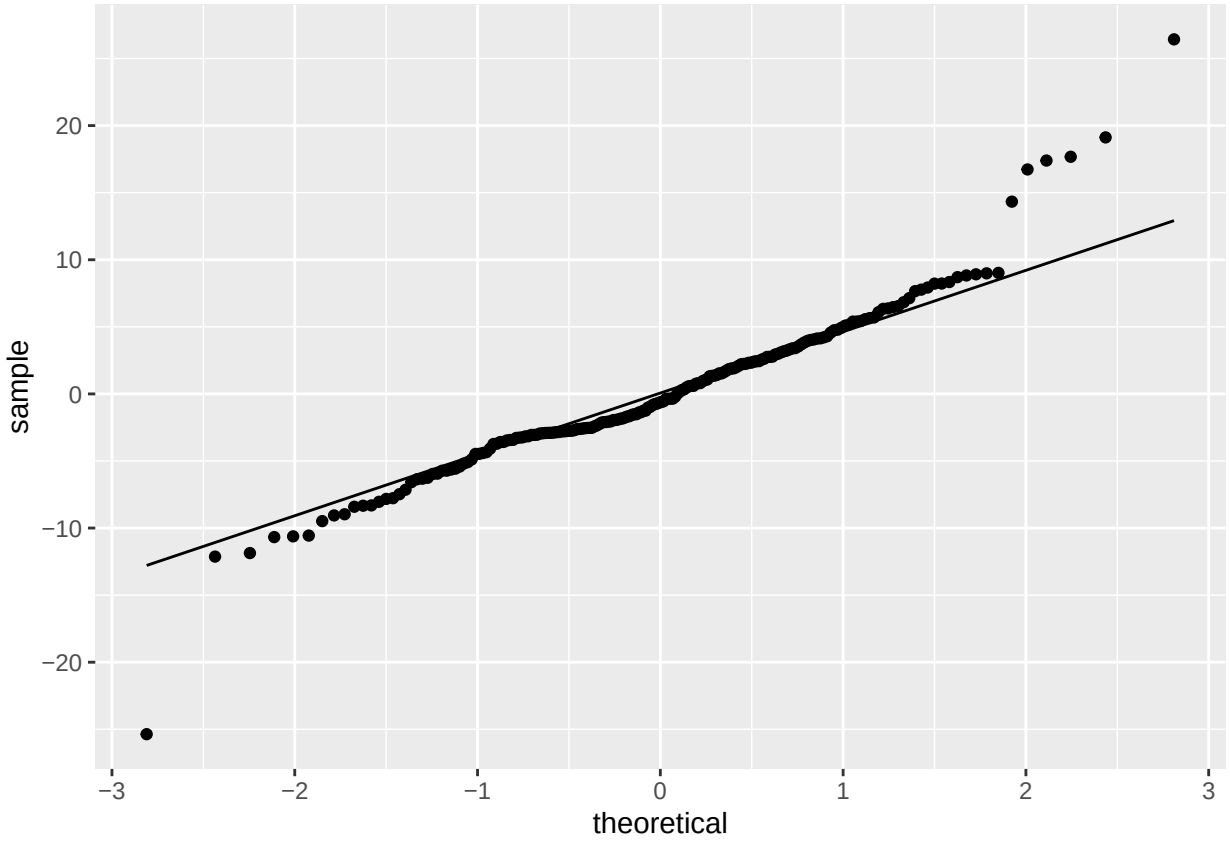
Number of divergences: 0

FIIS: GreatGun






residual
20
0
−20
0
50
100
150
200
observation id

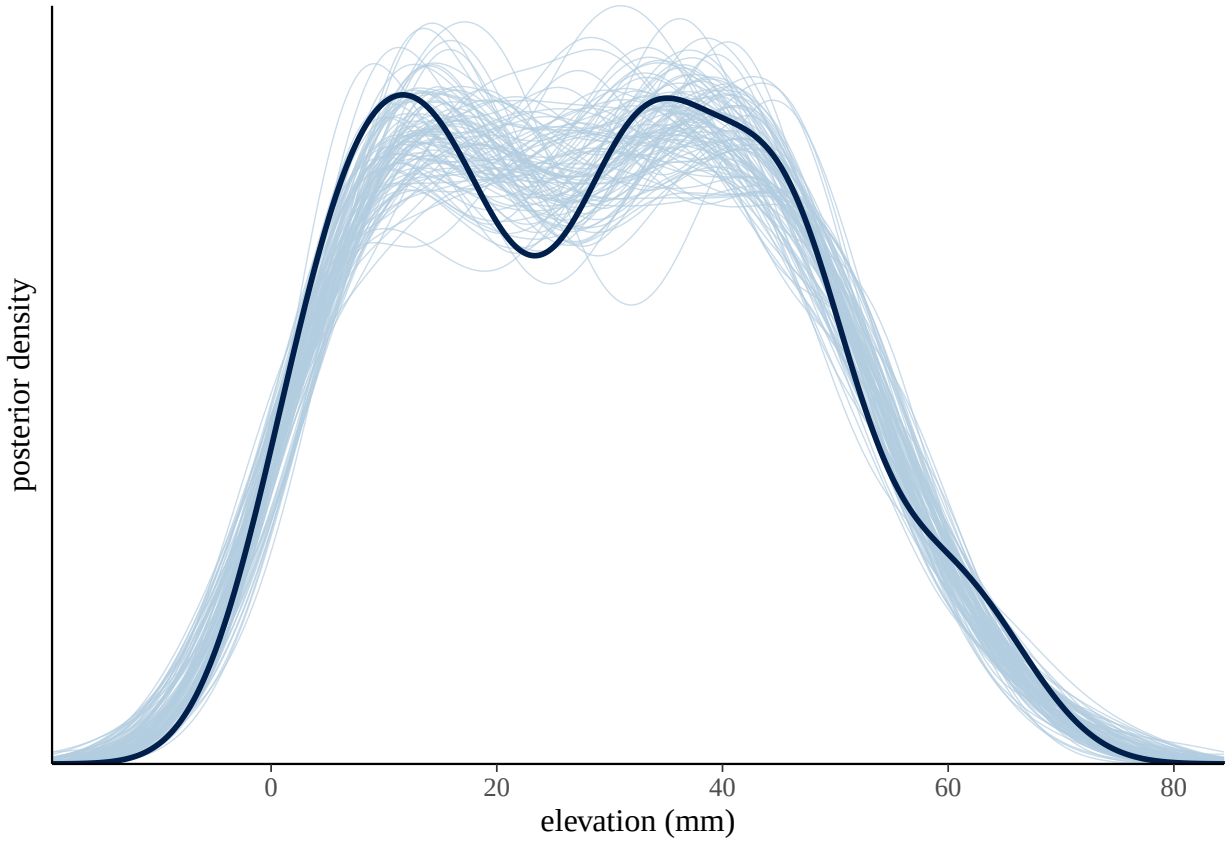


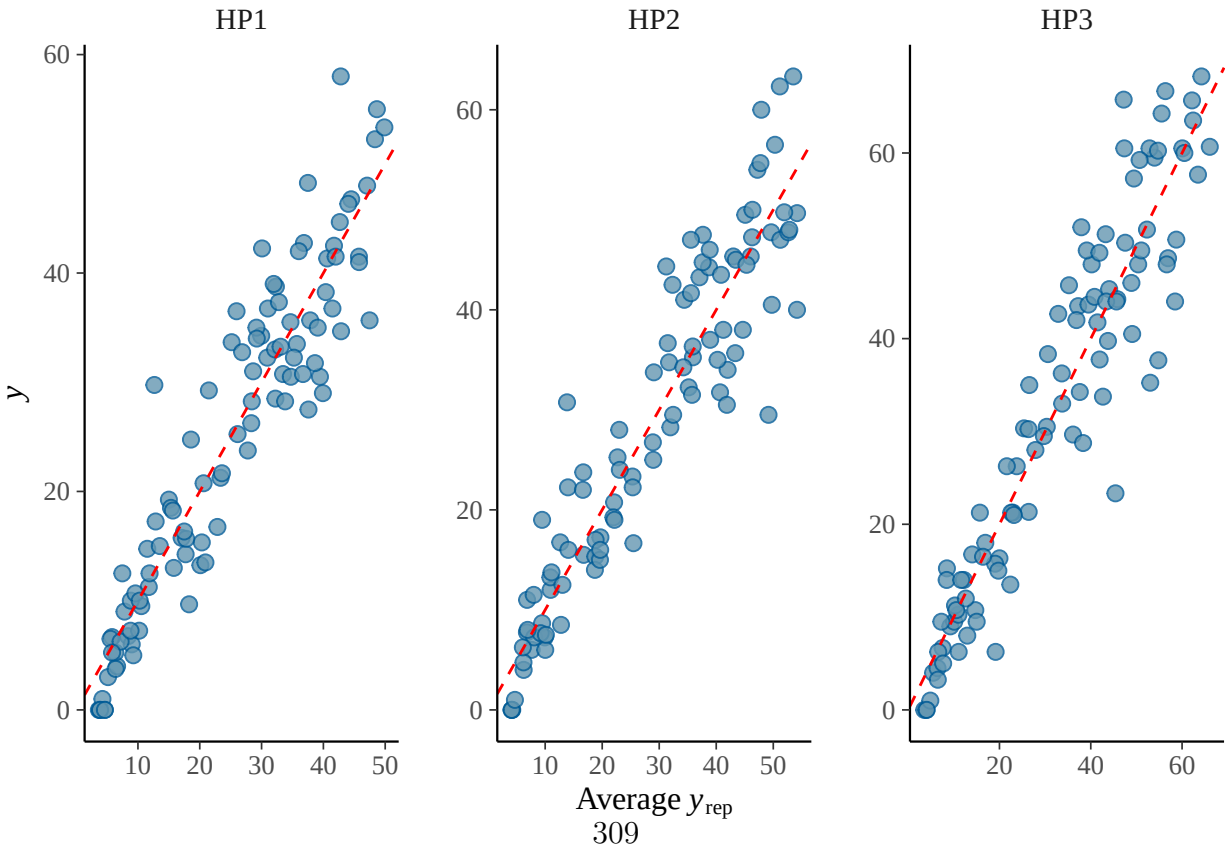
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.00	1.02
sd_set__Intercept	1.05	1.05
sd_set__year	1.02	1.03
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[GG1,Intercept]	1.03	1.04
r_set[GG2,Intercept]	1.03	1.04
r_set[GG3,Intercept]	1.02	1.02
r_set[GG1,year]	1.00	1.01
r_set[GG2,year]	1.00	1.01
r_set[GG3,year]	1.00	1.01
r_set:horizon[GG1_A,Intercept]	1.00	1.00
r_set:horizon[GG1_B,Intercept]	1.00	1.00
r_set:horizon[GG1_C,Intercept]	1.00	1.00
r_set:horizon[GG2_A,Intercept]	1.00	1.01
r_set:horizon[GG2_B,Intercept]	1.00	1.00

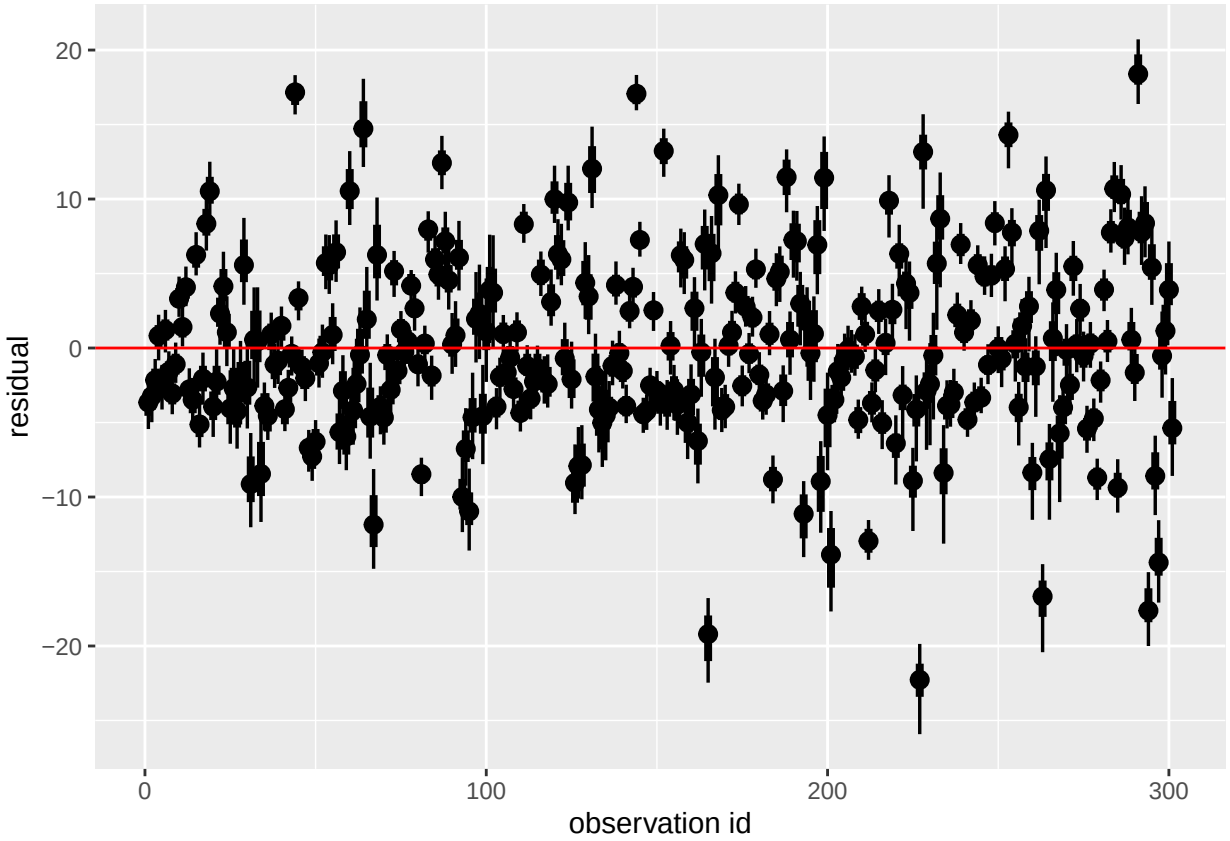
	Point est.	Upper C.I.
r_set:horizon[GG2_C,Intercept]	1.01	1.01
r_set:horizon[GG3_A,Intercept]	1.00	1.00
r_set:horizon[GG3_B,Intercept]	1.00	1.01
r_set:horizon[GG3_C,Intercept]	1.00	1.01
r_set:horizon[GG1_A,year]	1.00	1.00
r_set:horizon[GG1_B,year]	1.01	1.02
r_set:horizon[GG1_C,year]	1.00	1.01
r_set:horizon[GG2_A,year]	1.00	1.01
r_set:horizon[GG2_B,year]	1.00	1.01
r_set:horizon[GG2_C,year]	1.00	1.01
r_set:horizon[GG3_A,year]	1.00	1.00
r_set:horizon[GG3_B,year]	1.00	1.00
r_set:horizon[GG3_C,year]	1.00	1.00
lp___	1.01	1.03

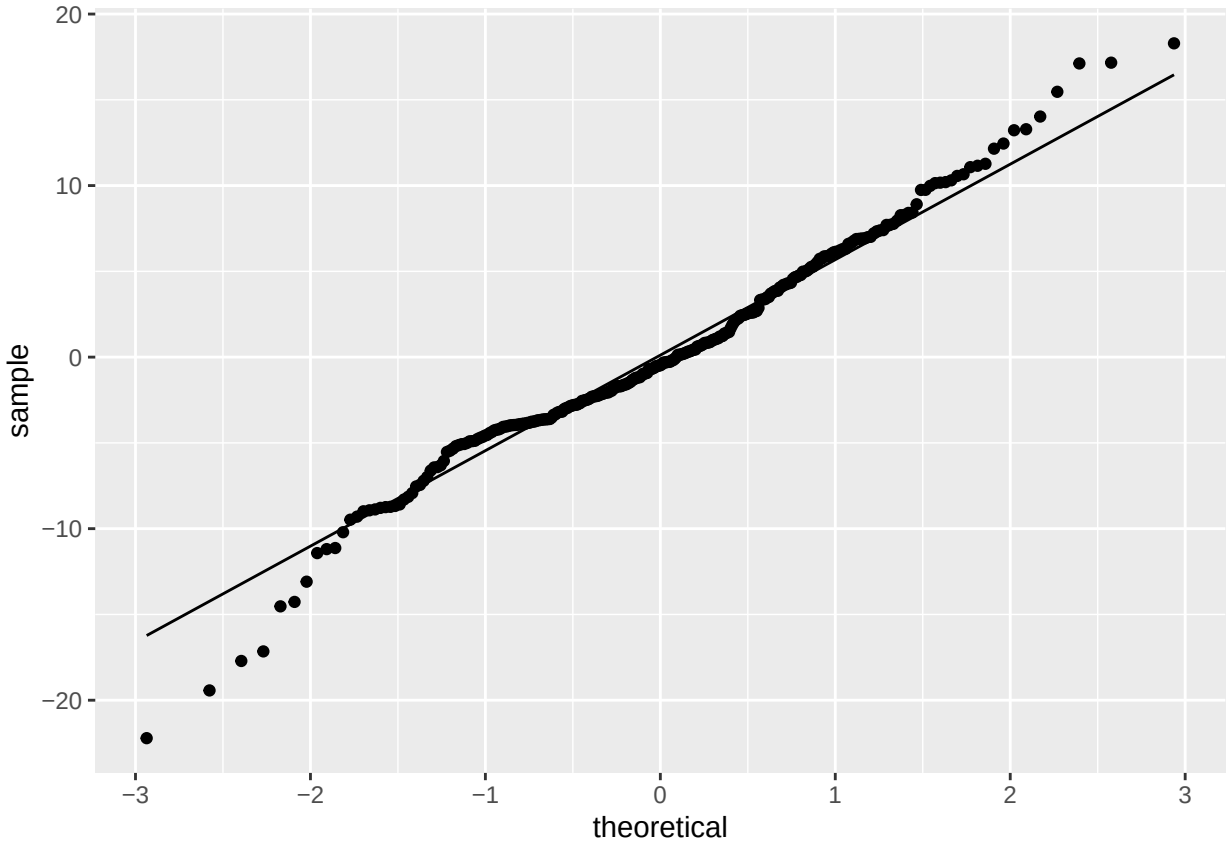
Number of divergences: 1

FIIS: HospitalPoint






20
10
0
−10
−20
residual
0
100
200
300
observation id

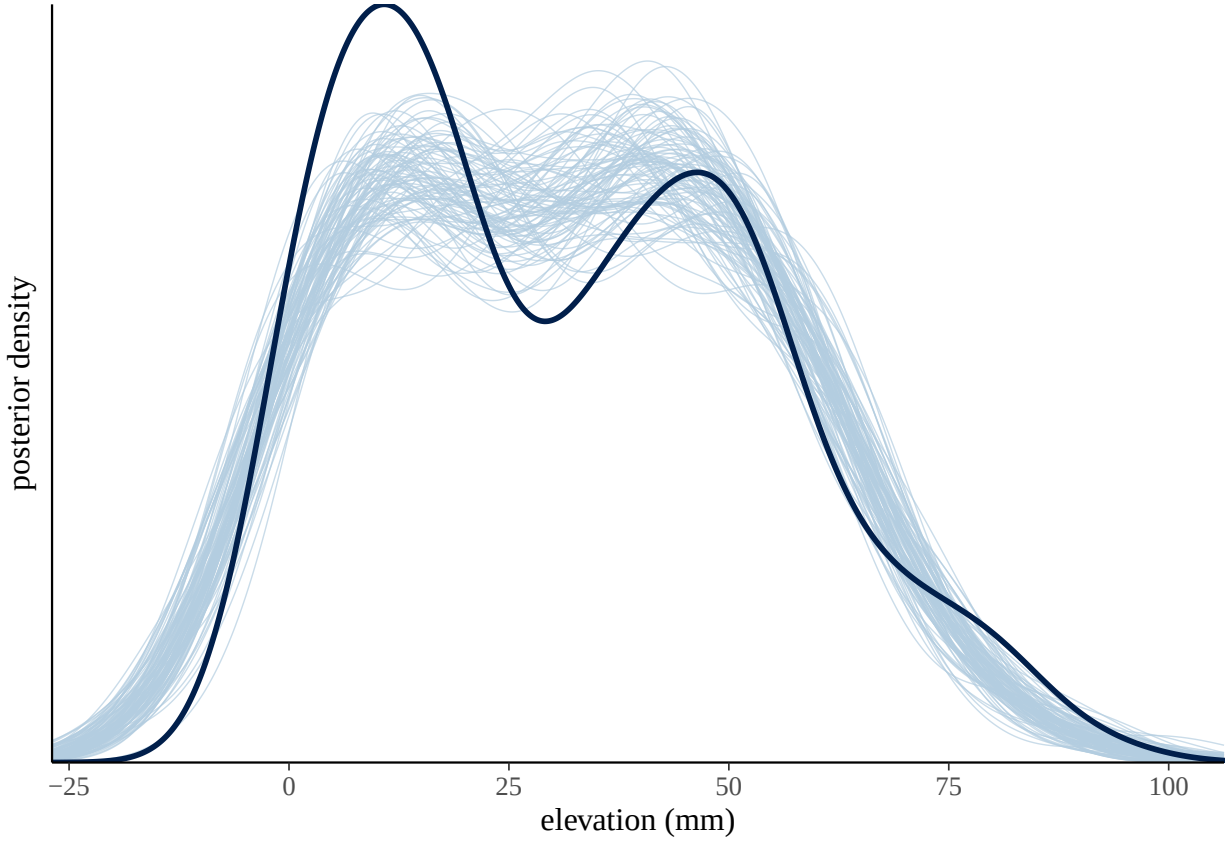


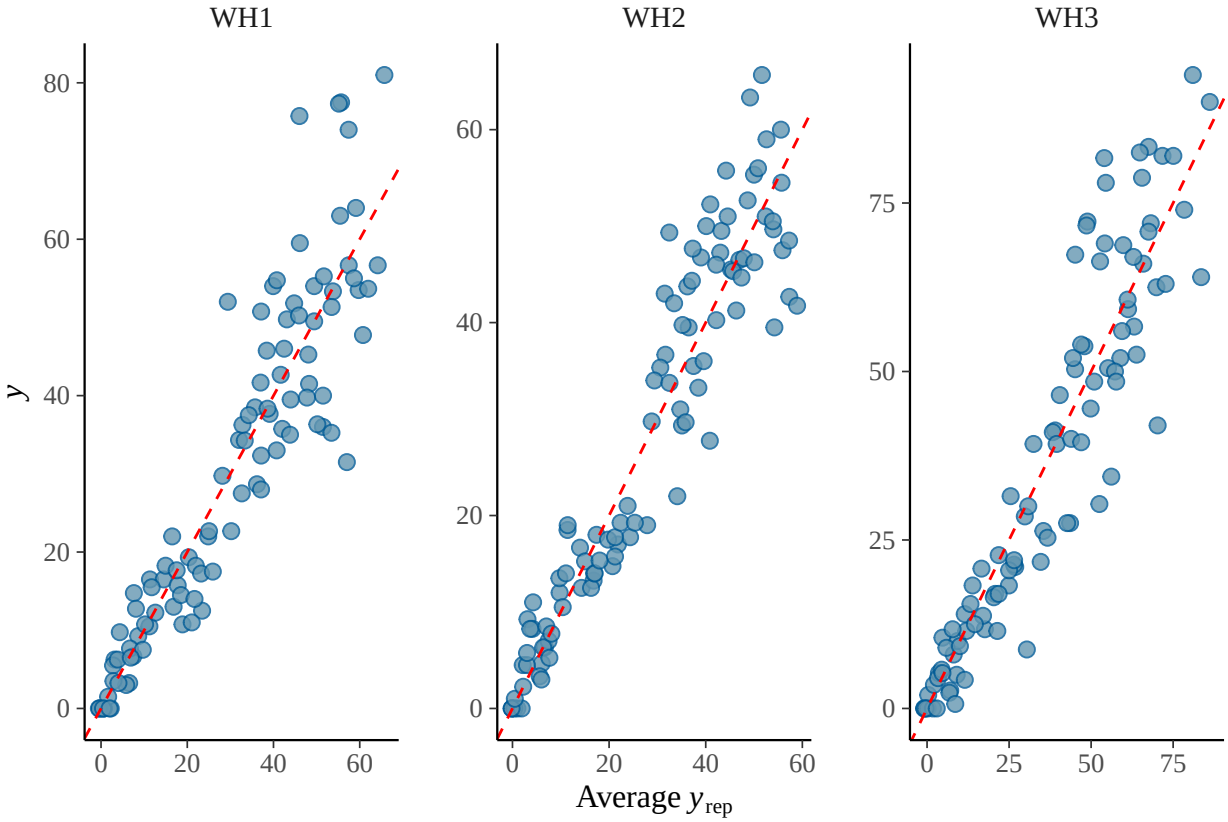
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.00	1.01
sd_set__Intercept	1.01	1.02
sd_set__year	1.01	1.02
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.02	1.02
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[HP1,Intercept]	1.01	1.02
r_set[HP2,Intercept]	1.01	1.01
r_set[HP3,Intercept]	1.02	1.02
r_set[HP1,year]	1.00	1.01
r_set[HP2,year]	1.00	1.01
r_set[HP3,year]	1.00	1.01
r_set:horizon[HP1_A,Intercept]	1.00	1.00
r_set:horizon[HP1_B,Intercept]	1.00	1.00
r_set:horizon[HP1_C,Intercept]	1.01	1.01
r_set:horizon[HP2_A,Intercept]	1.00	1.00
r_set:horizon[HP2_B,Intercept]	1.00	1.00

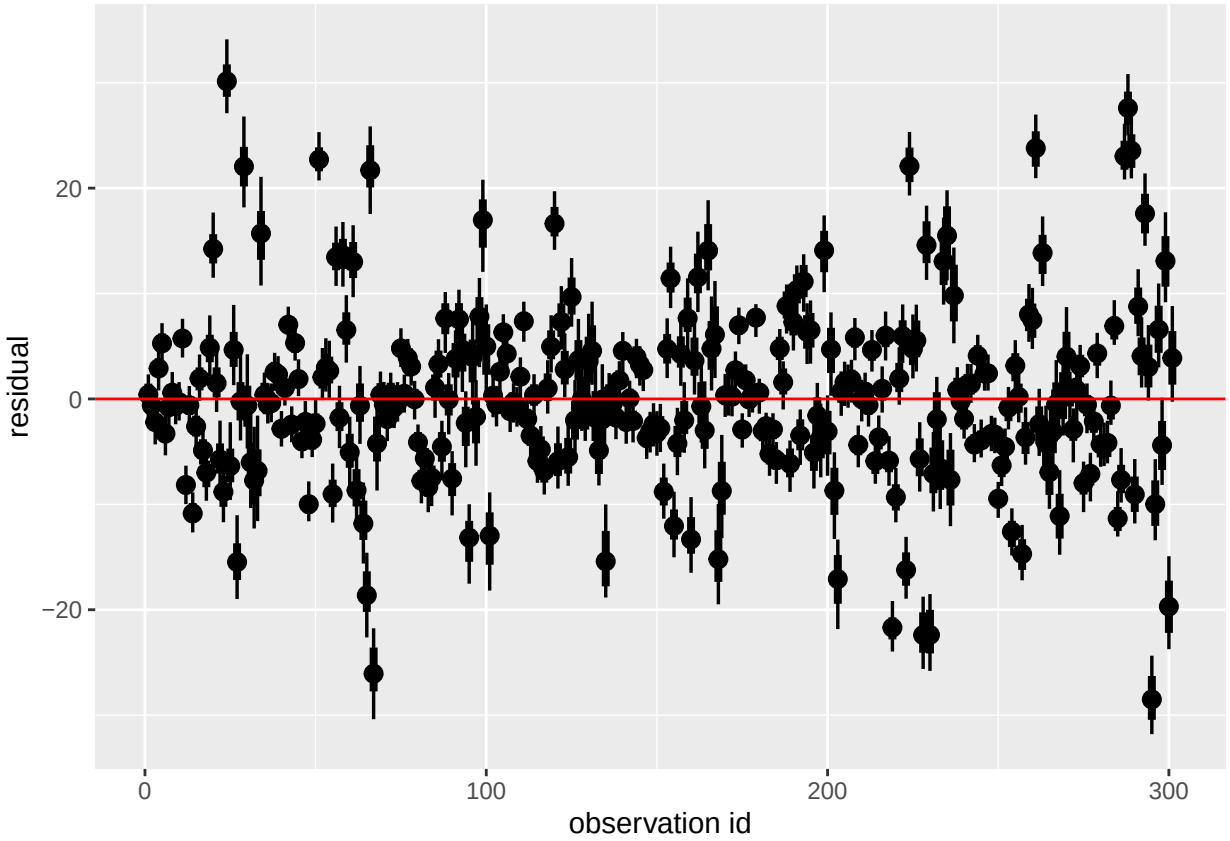
	Point est.	Upper C.I.
r_set:horizon[HP2_C,Intercept]	1.00	1.00
r_set:horizon[HP3_A,Intercept]	1.01	1.01
r_set:horizon[HP3_B,Intercept]	1.00	1.00
r_set:horizon[HP3_C,Intercept]	1.00	1.00
r_set:horizon[HP1_A,year]	1.01	1.01
r_set:horizon[HP1_B,year]	1.00	1.00
r_set:horizon[HP1_C,year]	1.00	1.01
r_set:horizon[HP2_A,year]	1.00	1.00
r_set:horizon[HP2_B,year]	1.00	1.00
r_set:horizon[HP2_C,year]	1.00	1.00
r_set:horizon[HP3_A,year]	1.01	1.01
r_set:horizon[HP3_B,year]	1.01	1.01
r_set:horizon[HP3_C,year]	1.01	1.01
lp___	1.00	1.01

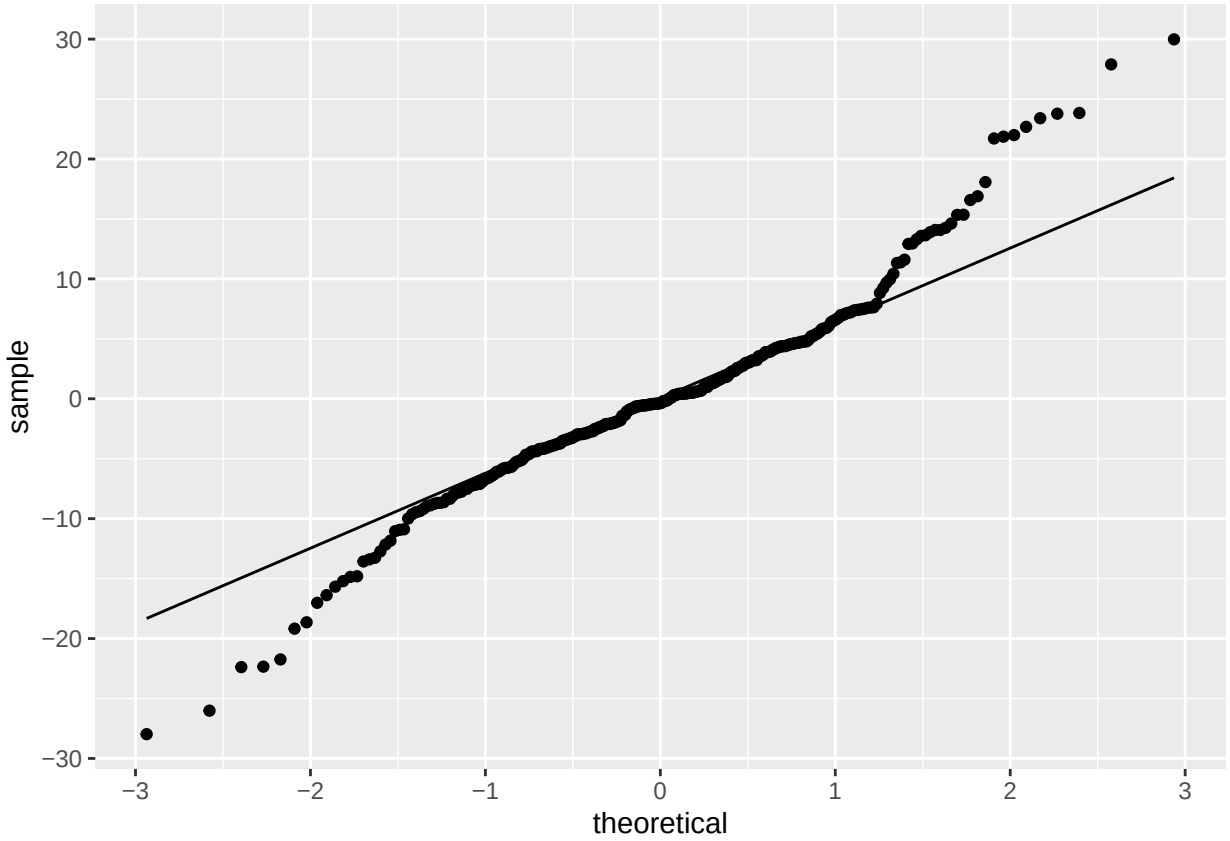
Number of divergences: 2

FIIS: WatchHill






residual
20
0
−20
0
100
200
300
observation id

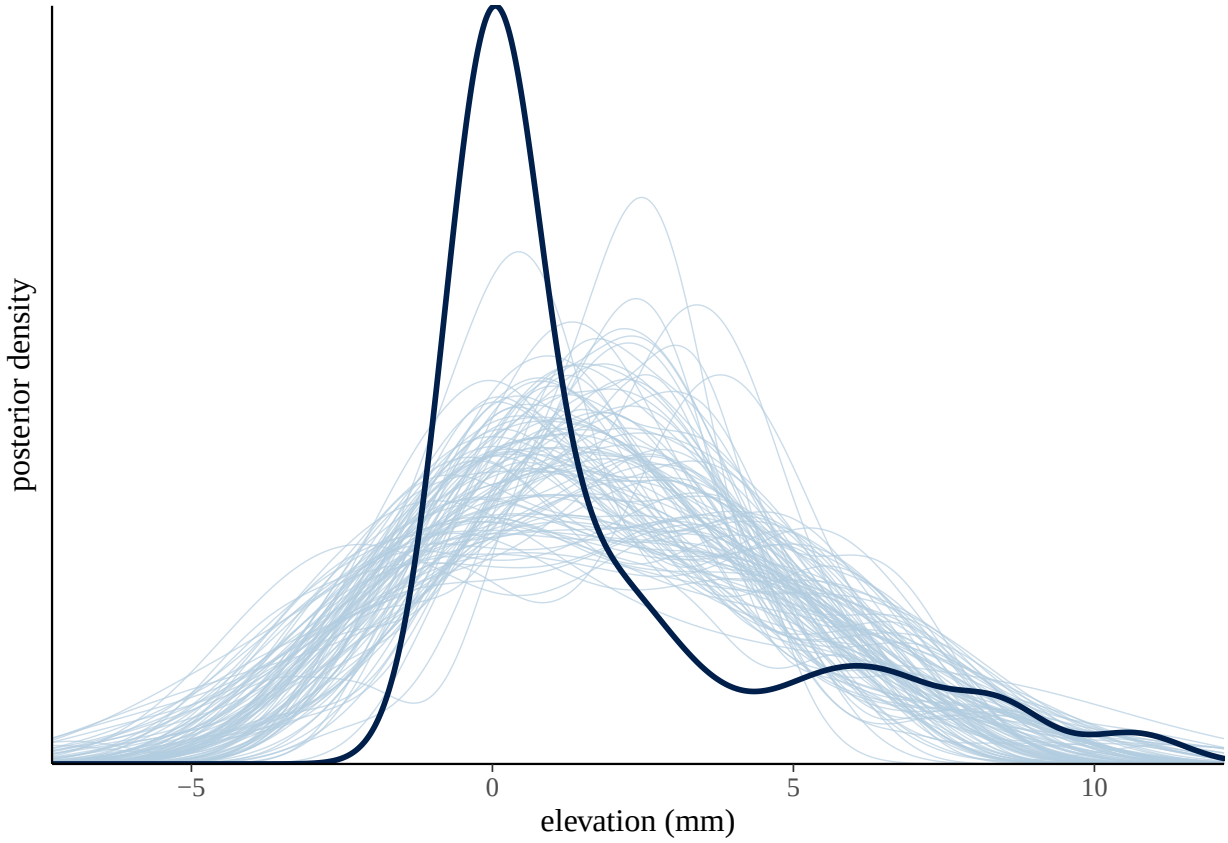


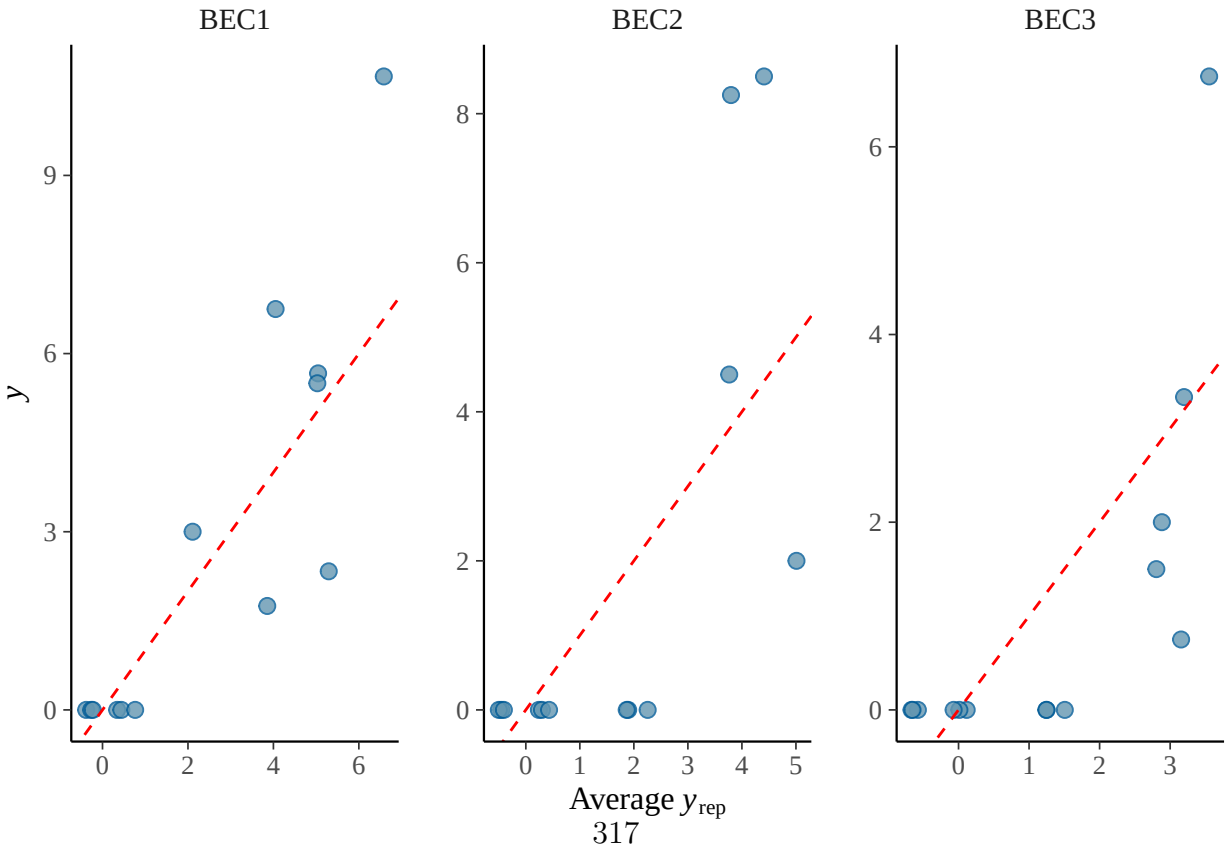
	Point est.	Upper C.I.
b_Intercept	1.09	1.10
b_year	1.00	1.00
sd_set__Intercept	1.13	1.15
sd_set__year	1.00	1.00
sd_set:horizon__Intercept	1.01	1.01
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[WH1,Intercept]	1.14	1.15
r_set[WH2,Intercept]	1.14	1.16
r_set[WH3,Intercept]	1.14	1.15
r_set[WH1,year]	1.00	1.00
r_set[WH2,year]	1.00	1.00
r_set[WH3,year]	1.00	1.00
r_set:horizon[WH1_A,Intercept]	1.00	1.01
r_set:horizon[WH1_B,Intercept]	1.00	1.00
r_set:horizon[WH1_C,Intercept]	1.01	1.01
r_set:horizon[WH2_A,Intercept]	1.00	1.01
r_set:horizon[WH2_B,Intercept]	1.00	1.00

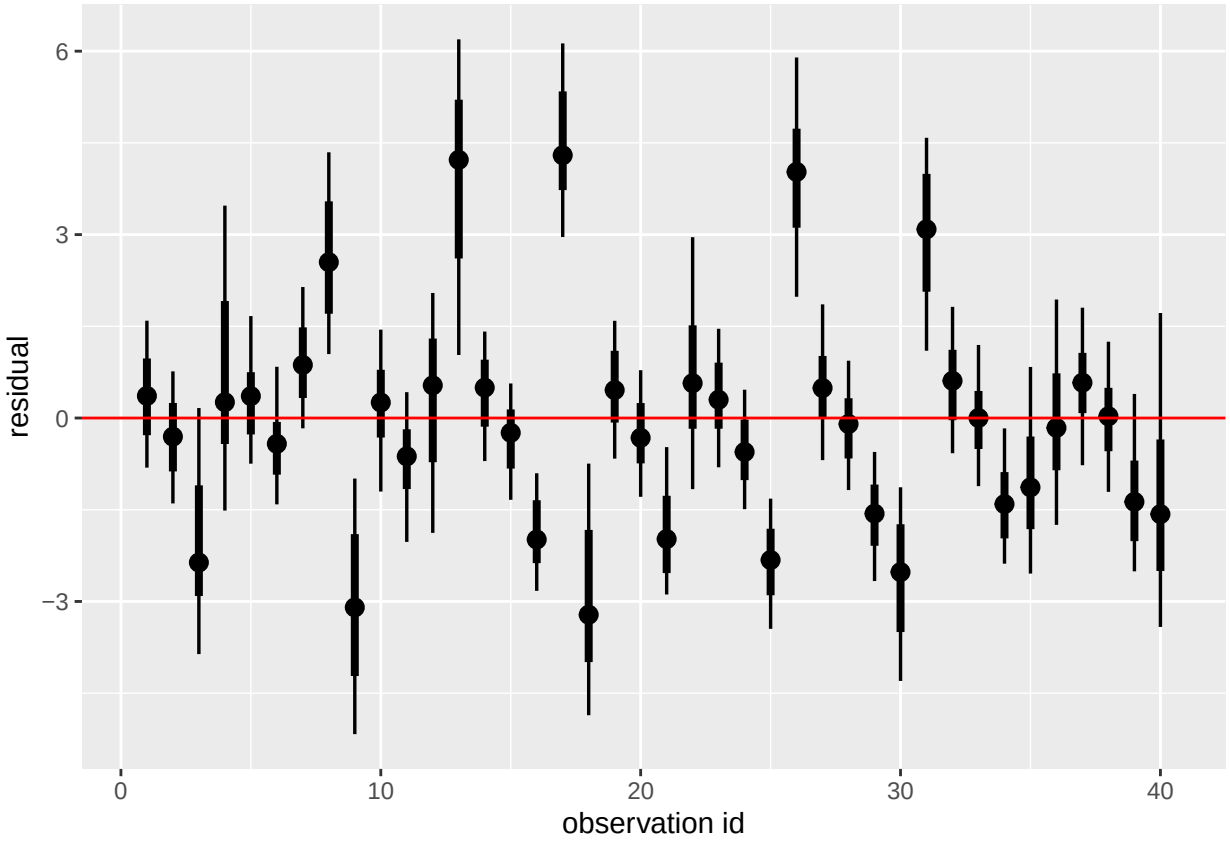
	Point est.	Upper C.I.
r_set:horizon[WH2_C,Intercept]	1.00	1.01
r_set:horizon[WH3_A,Intercept]	1.00	1.00
r_set:horizon[WH3_B,Intercept]	1.00	1.01
r_set:horizon[WH3_C,Intercept]	1.00	1.01
r_set:horizon[WH1_A,year]	1.00	1.00
r_set:horizon[WH1_B,year]	1.00	1.00
r_set:horizon[WH1_C,year]	1.00	1.01
r_set:horizon[WH2_A,year]	1.00	1.00
r_set:horizon[WH2_B,year]	1.00	1.00
r_set:horizon[WH2_C,year]	1.00	1.00
r_set:horizon[WH3_A,year]	1.00	1.00
r_set:horizon[WH3_B,year]	1.00	1.00
r_set:horizon[WH3_C,year]	1.00	1.01
lp___	1.00	1.00

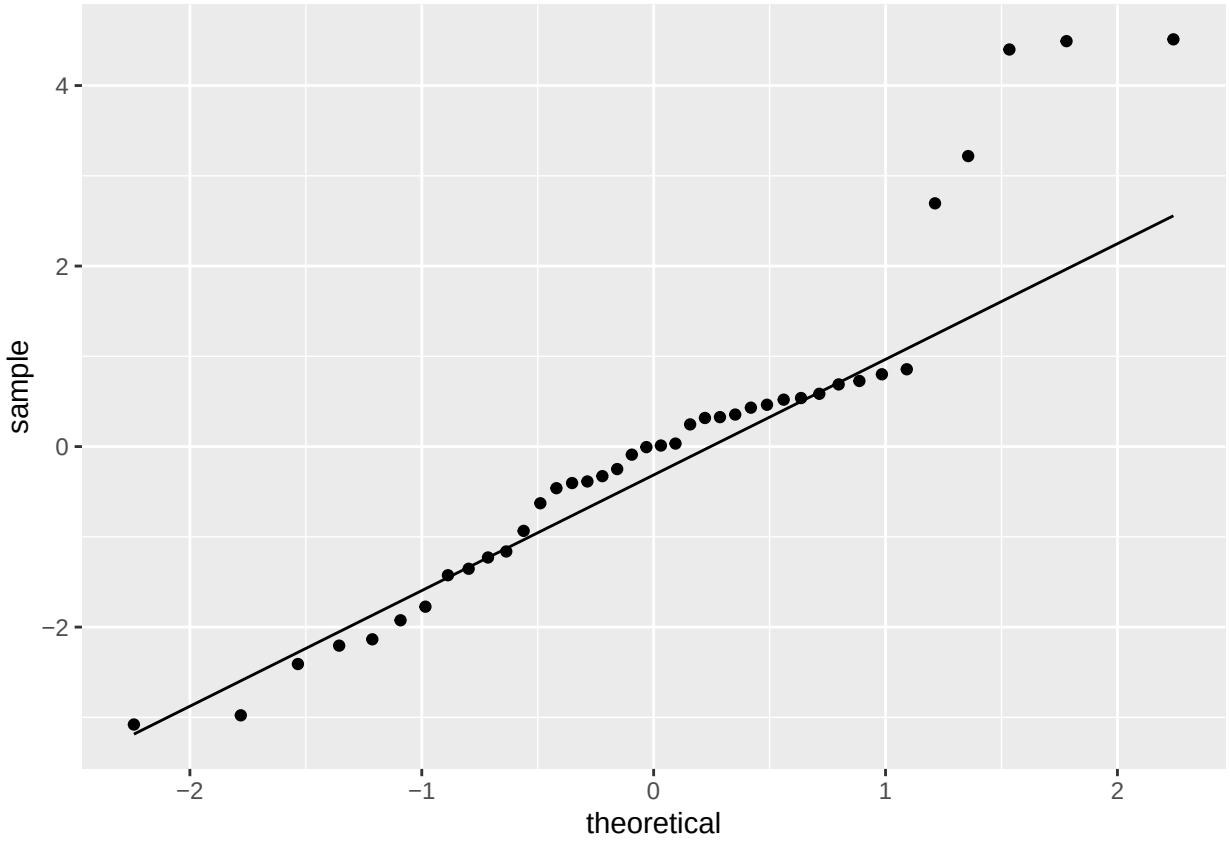
Number of divergences: 1

GATE: BigEggControl






6
3
0
−3
residual
0
10
20
30
40
observation id

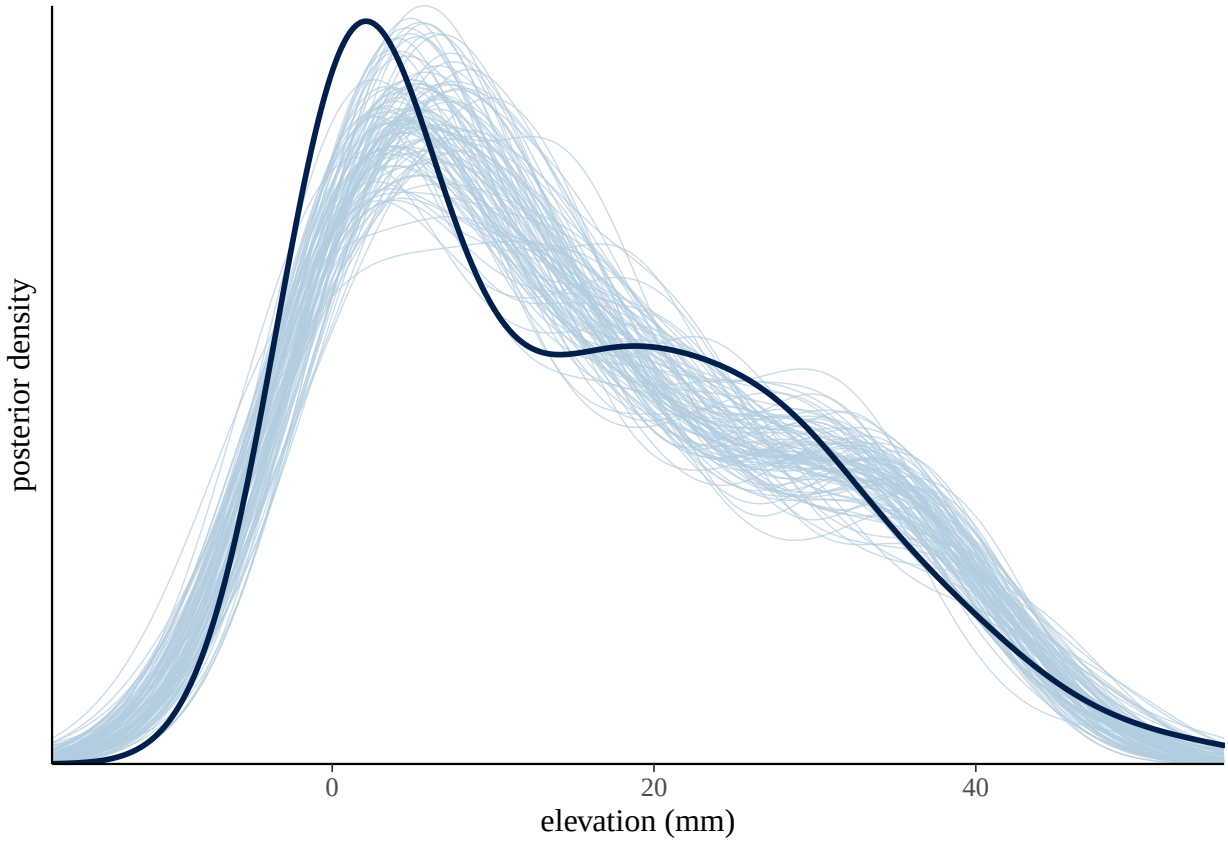


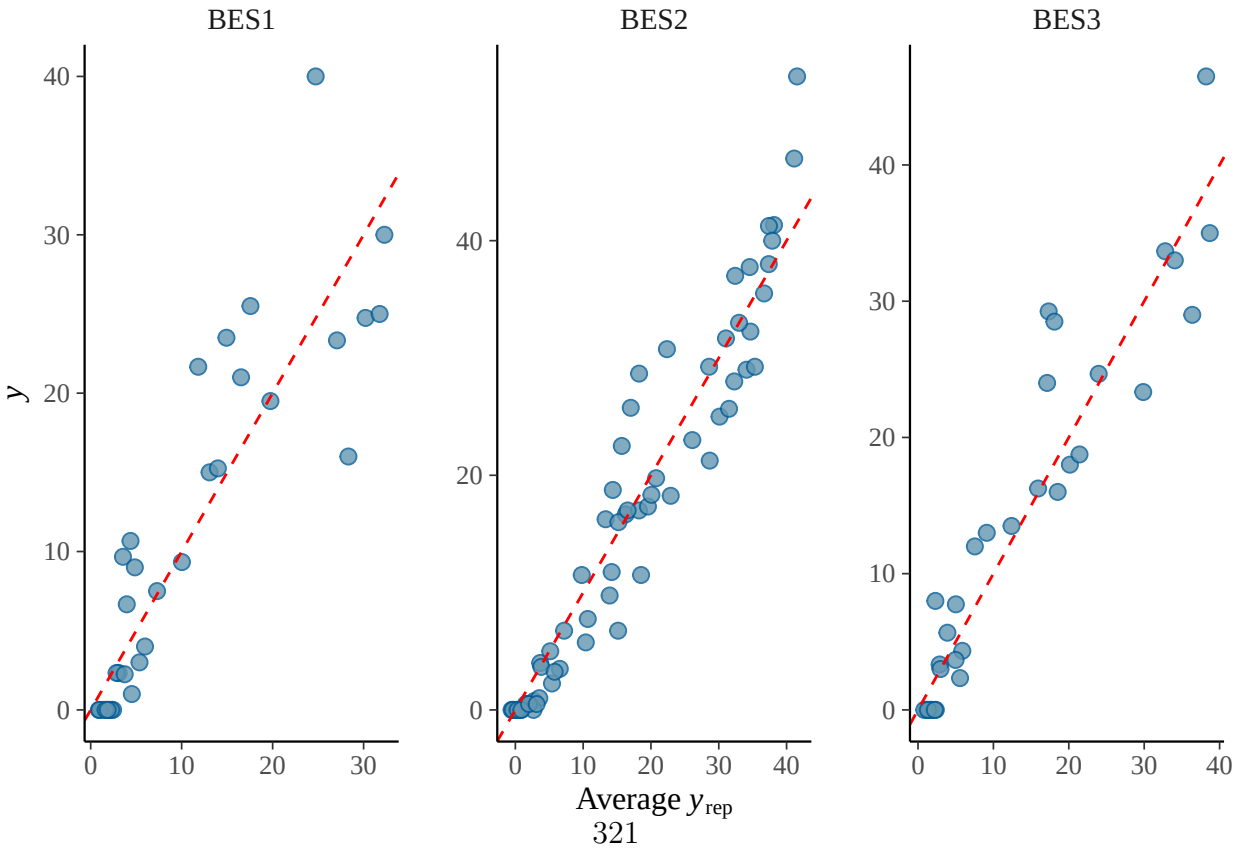
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.02	1.02
sd_set__year	1.00	1.00
sd_set:horizon__Intercept	1.00	1.01
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[BEC1,Intercept]	1.01	1.01
r_set[BEC2,Intercept]	1.01	1.01
r_set[BEC3,Intercept]	1.01	1.01
r_set[BEC1,year]	1.00	1.00
r_set[BEC2,year]	1.00	1.01
r_set[BEC3,year]	1.00	1.00
r_set:horizon[BEC1_A,Intercept]	1.00	1.00
r_set:horizon[BEC1_B,Intercept]	1.00	1.00
r_set:horizon[BEC1_C,Intercept]	1.00	1.01
r_set:horizon[BEC2_A,Intercept]	1.00	1.00
r_set:horizon[BEC2_B,Intercept]	1.01	1.01

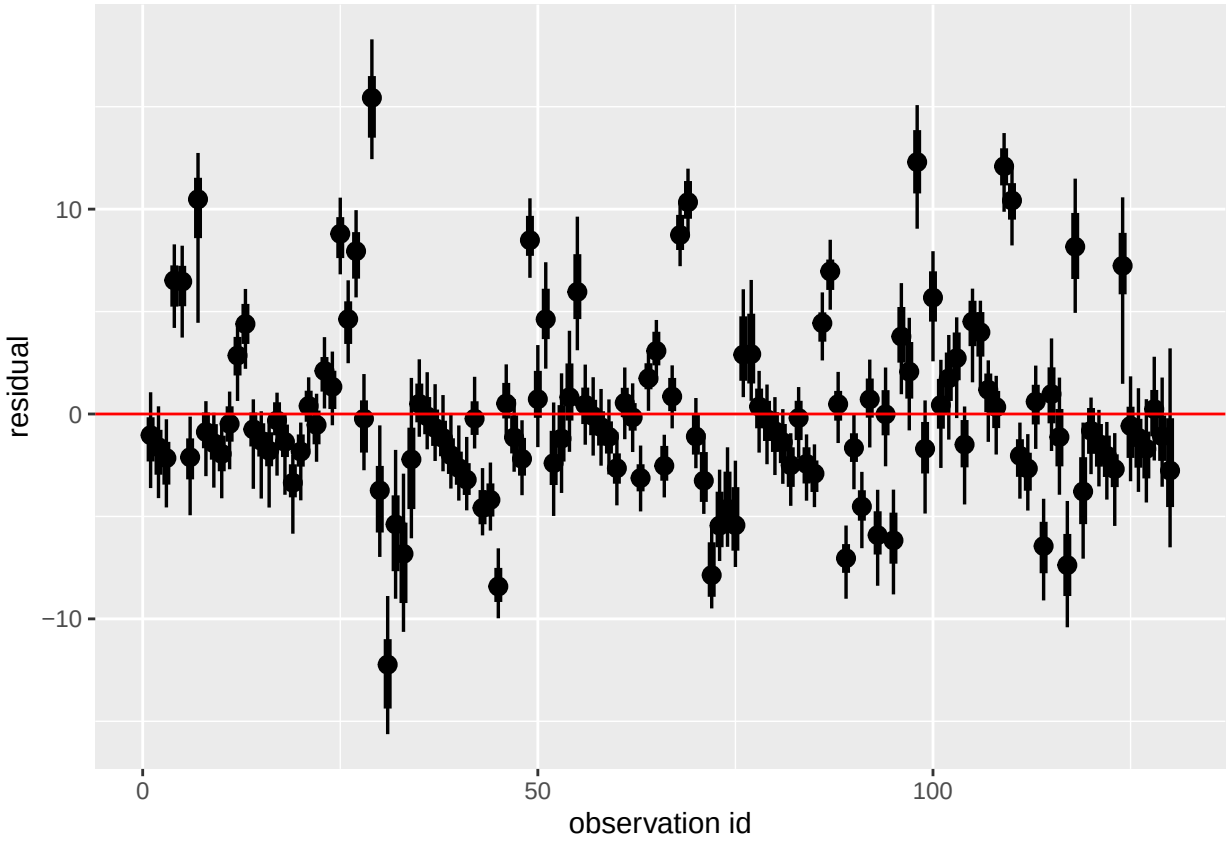
	Point est.	Upper C.I.
r_set:horizon[BEC2_C,Intercept]	1.01	1.01
r_set:horizon[BEC3_A,Intercept]	1.00	1.00
r_set:horizon[BEC3_B,Intercept]	1.00	1.00
r_set:horizon[BEC3_C,Intercept]	1.00	1.00
r_set:horizon[BEC1_A,year]	1.00	1.00
r_set:horizon[BEC1_B,year]	1.00	1.00
r_set:horizon[BEC1_C,year]	1.00	1.00
r_set:horizon[BEC2_A,year]	1.00	1.00
r_set:horizon[BEC2_B,year]	1.00	1.00
r_set:horizon[BEC2_C,year]	1.00	1.00
r_set:horizon[BEC3_A,year]	1.00	1.01
r_set:horizon[BEC3_B,year]	1.00	1.00
r_set:horizon[BEC3_C,year]	1.00	1.00
lp___	1.00	1.00

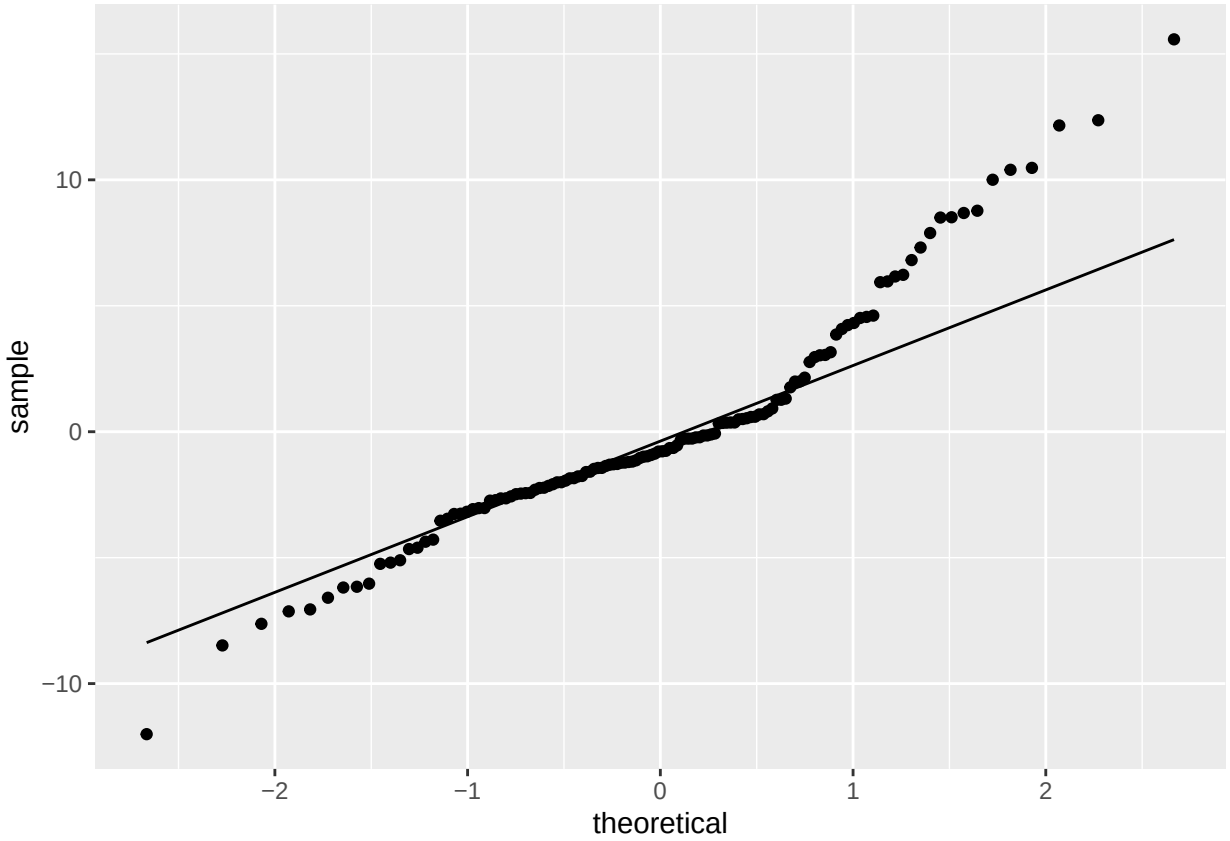
Number of divergences: 0

GATE: BigEggSpray






residual
10
0
−10
0
50
100
observation id

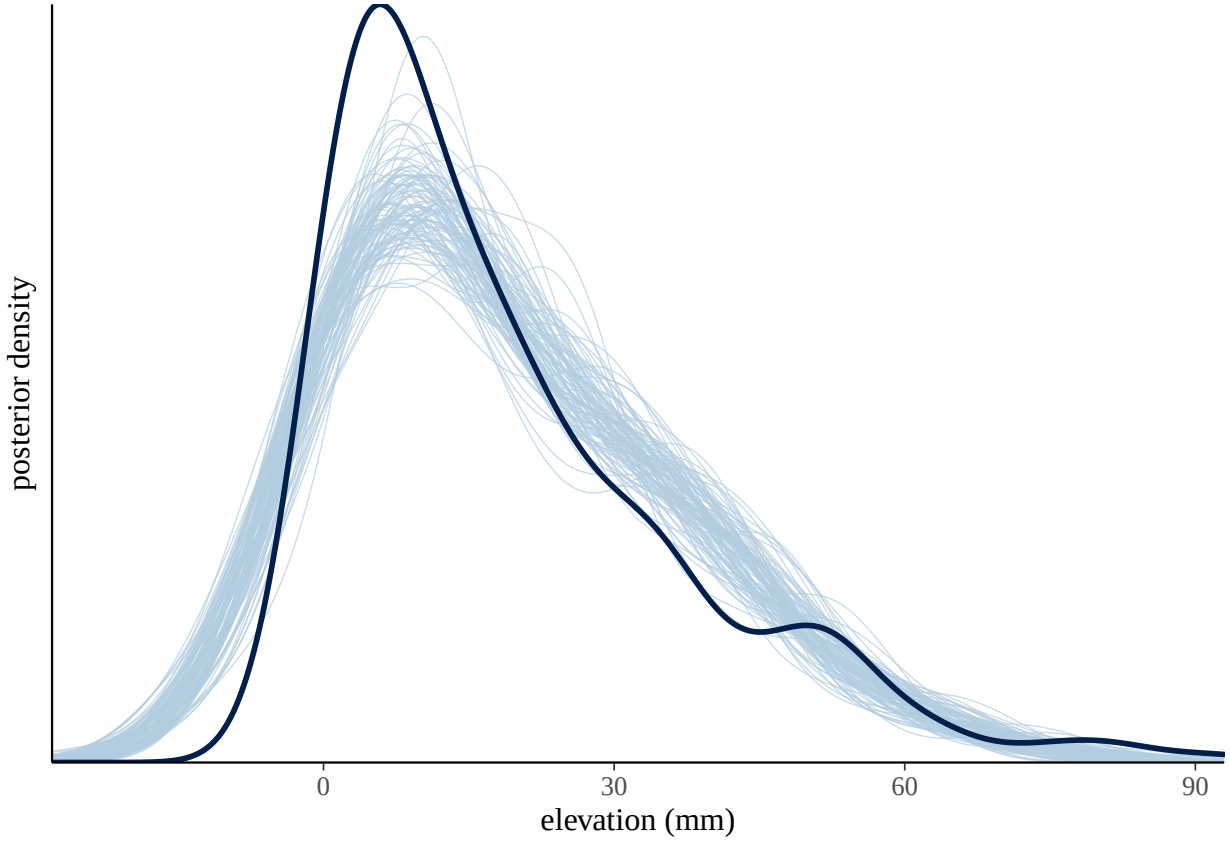


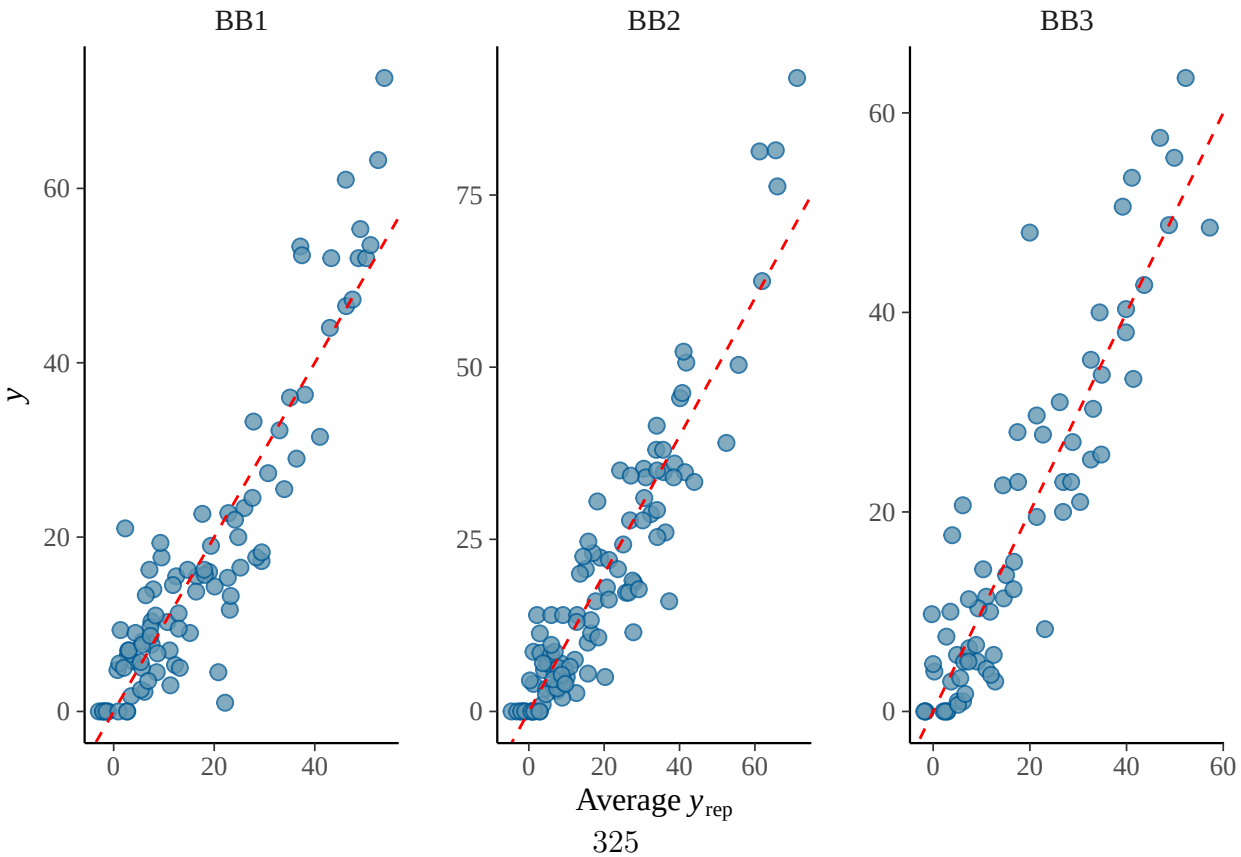
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.02	1.02
sd_set__Intercept	1.02	1.03
sd_set__year	1.04	1.05
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.01	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[BES1,Intercept]	1.01	1.02
r_set[BES2,Intercept]	1.01	1.01
r_set[BES3,Intercept]	1.01	1.02
r_set[BES1,year]	1.02	1.04
r_set[BES2,year]	1.01	1.02
r_set[BES3,year]	1.02	1.02
r_set:horizon[BES1_A,Intercept]	1.00	1.00
r_set:horizon[BES1_B,Intercept]	1.00	1.00
r_set:horizon[BES1_C,Intercept]	1.00	1.00
r_set:horizon[BES2_A,Intercept]	1.00	1.00
r_set:horizon[BES2_B,Intercept]	1.00	1.00

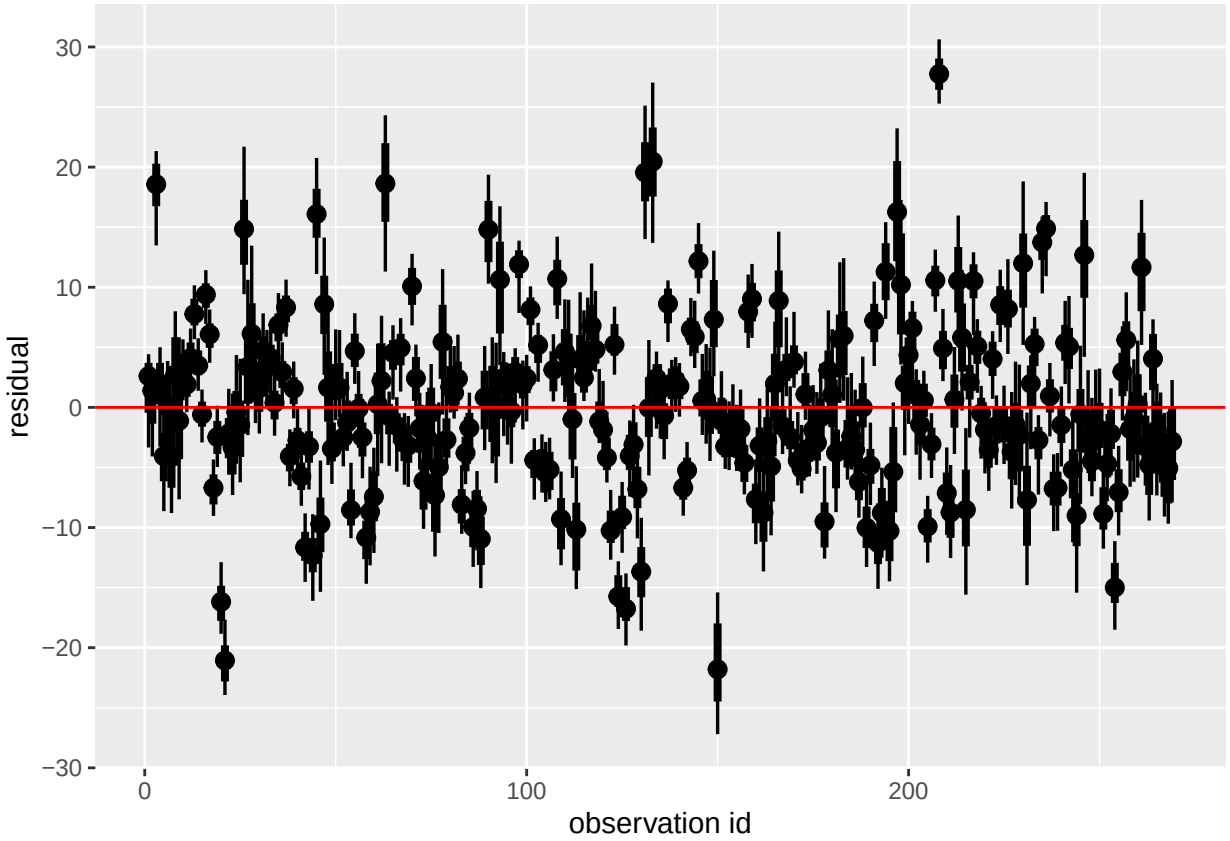
	Point est.	Upper C.I.
r_set:horizon[BES2_C,Intercept]	1.01	1.01
r_set:horizon[BES3_A,Intercept]	1.00	1.00
r_set:horizon[BES3_B,Intercept]	1.00	1.00
r_set:horizon[BES3_C,Intercept]	1.00	1.00
r_set:horizon[BES1_A,year]	1.00	1.00
r_set:horizon[BES1_B,year]	1.01	1.02
r_set:horizon[BES1_C,year]	1.00	1.01
r_set:horizon[BES2_A,year]	1.01	1.02
r_set:horizon[BES2_B,year]	1.01	1.01
r_set:horizon[BES2_C,year]	1.01	1.01
r_set:horizon[BES3_A,year]	1.01	1.01
r_set:horizon[BES3_B,year]	1.01	1.01
r_set:horizon[BES3_C,year]	1.00	1.01
lp___	1.00	1.00

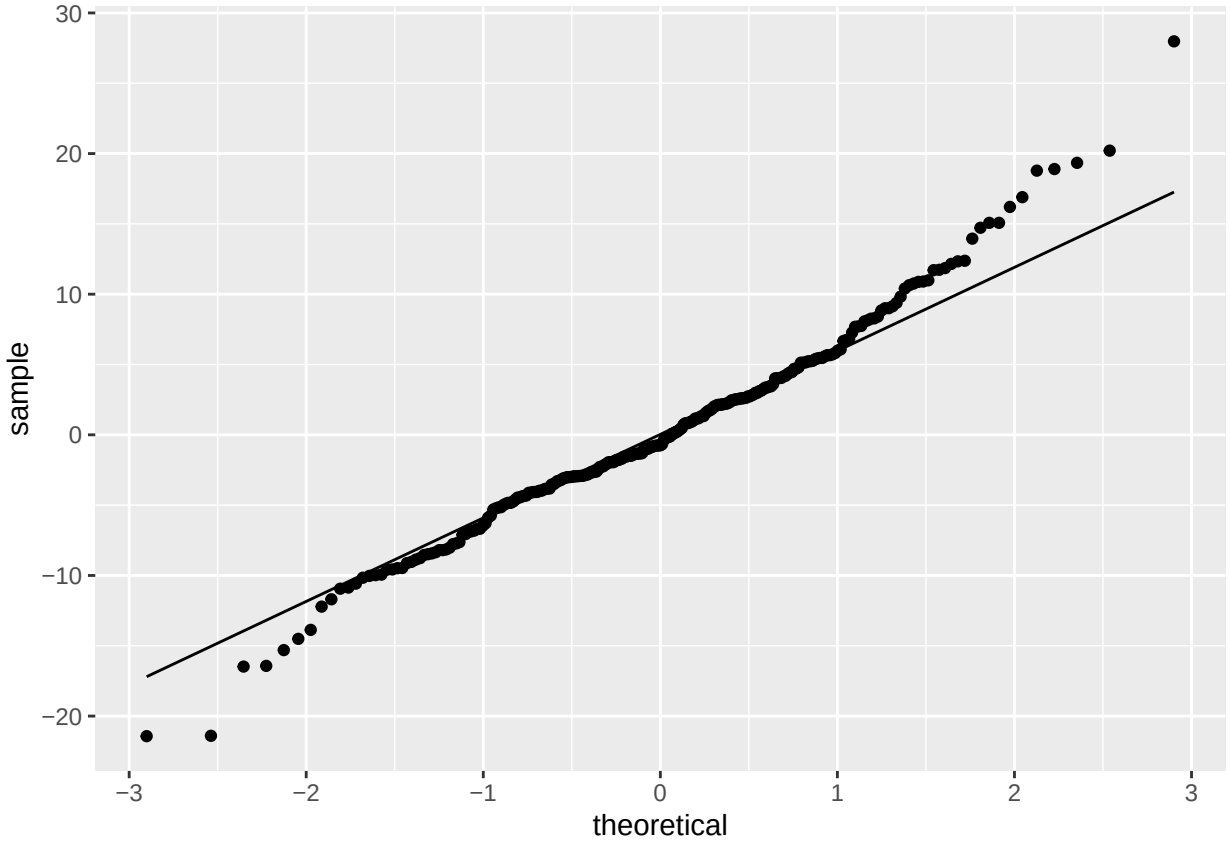
Number of divergences: 3

GATE: BlackBank






30
20
10
0
−10
−20
−30
residual
0
100
200
observation id

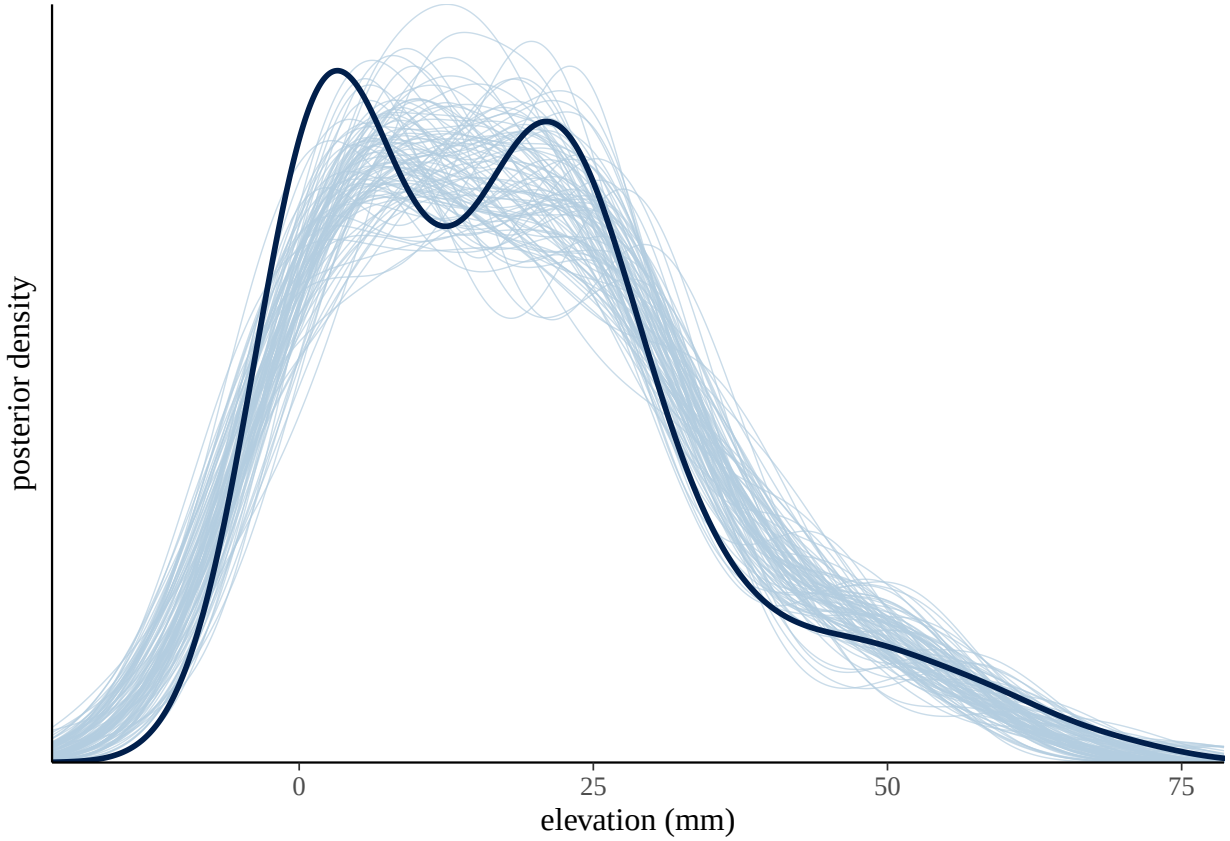


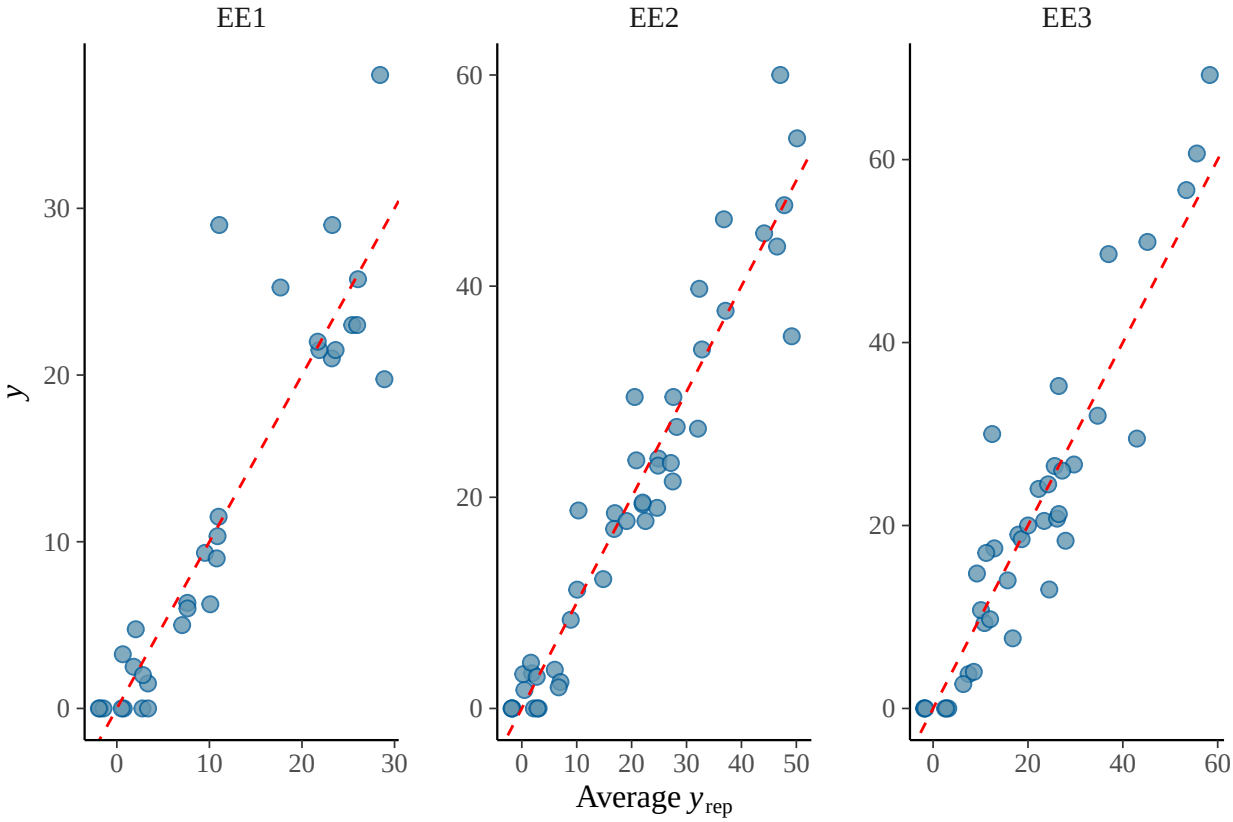
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.01
sd_set__Intercept	1.02	1.02
sd_set__year	1.00	1.01
sd_set:horizon__Intercept	1.01	1.02
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.02
sigma	1.00	1.00
r_set[BB1,Intercept]	1.02	1.03
r_set[BB2,Intercept]	1.01	1.02
r_set[BB3,Intercept]	1.02	1.03
r_set[BB1,year]	1.00	1.01
r_set[BB2,year]	1.00	1.02
r_set[BB3,year]	1.00	1.02
r_set:horizon[BB1_A,Intercept]	1.00	1.01
r_set:horizon[BB1_B,Intercept]	1.00	1.00
r_set:horizon[BB1_C,Intercept]	1.01	1.01
r_set:horizon[BB1_F1,Intercept]	1.00	1.00
r_set:horizon[BB1_F2,Intercept]	1.00	1.01

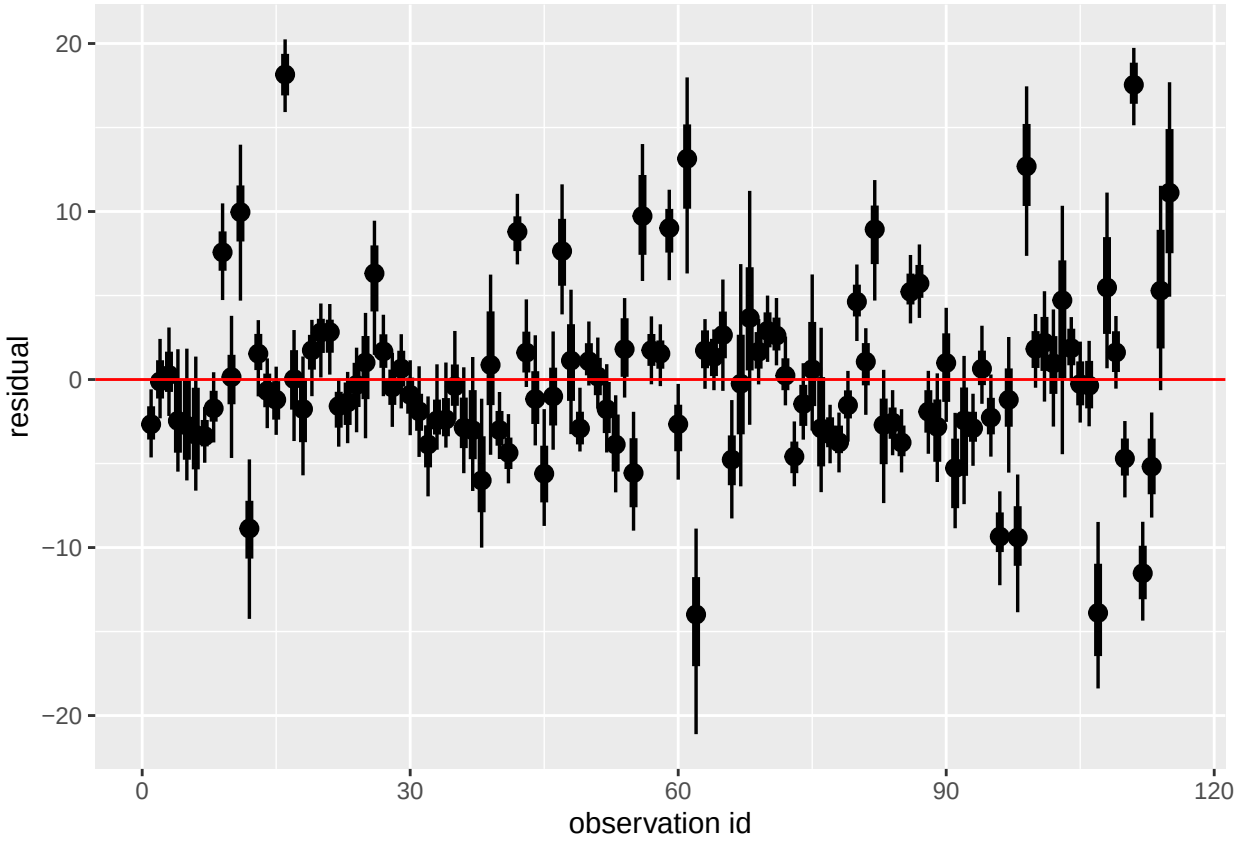
	Point est.	Upper C.I.
r_set:horizon[BB1_F3,Intercept]	1.00	1.01
r_set:horizon[BB2_A,Intercept]	1.00	1.01
r_set:horizon[BB2_B,Intercept]	1.00	1.01
r_set:horizon[BB2_C,Intercept]	1.00	1.01
r_set:horizon[BB2_F1,Intercept]	1.00	1.00
r_set:horizon[BB2_F2,Intercept]	1.00	1.00
r_set:horizon[BB2_F3,Intercept]	1.00	1.02
r_set:horizon[BB3_A,Intercept]	1.00	1.01
r_set:horizon[BB3_B,Intercept]	1.00	1.01
r_set:horizon[BB3_C,Intercept]	1.00	1.01
r_set:horizon[BB3_F1,Intercept]	1.00	1.01
r_set:horizon[BB3_F2,Intercept]	1.00	1.00
r_set:horizon[BB3_F3,Intercept]	1.00	1.01
r_set:horizon[BB1_A,year]	1.00	1.00
r_set:horizon[BB1_B,year]	1.00	1.01
r_set:horizon[BB1_C,year]	1.00	1.00
r_set:horizon[BB1_F1,year]	1.00	1.00
r_set:horizon[BB1_F2,year]	1.00	1.00
r_set:horizon[BB1_F3,year]	1.00	1.01
r_set:horizon[BB2_A,year]	1.00	1.01
r_set:horizon[BB2_B,year]	1.00	1.00
r_set:horizon[BB2_C,year]	1.00	1.00
r_set:horizon[BB2_F1,year]	1.00	1.00
r_set:horizon[BB2_F2,year]	1.00	1.00
r_set:horizon[BB2_F3,year]	1.00	1.01
r_set:horizon[BB3_A,year]	1.00	1.01
r_set:horizon[BB3_B,year]	1.00	1.00
r_set:horizon[BB3_C,year]	1.00	1.02
r_set:horizon[BB3_F1,year]	1.00	1.00
r_set:horizon[BB3_F2,year]	1.00	1.00
r_set:horizon[BB3_F3,year]	1.00	1.01
lp___	1.00	1.01

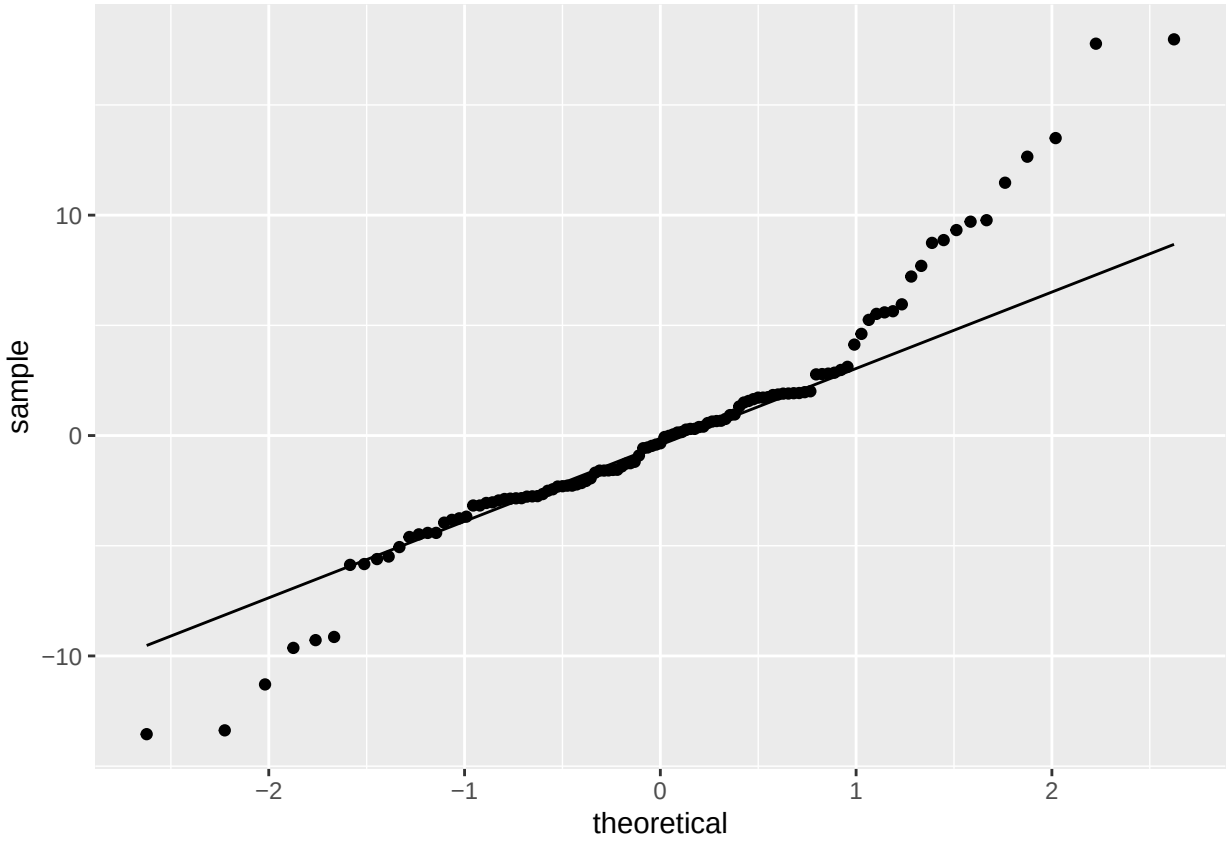
Number of divergences: 2

GATE: EldersEastEE






20
10
0
−10
−20
residual
0
30
60
90
120
observation id

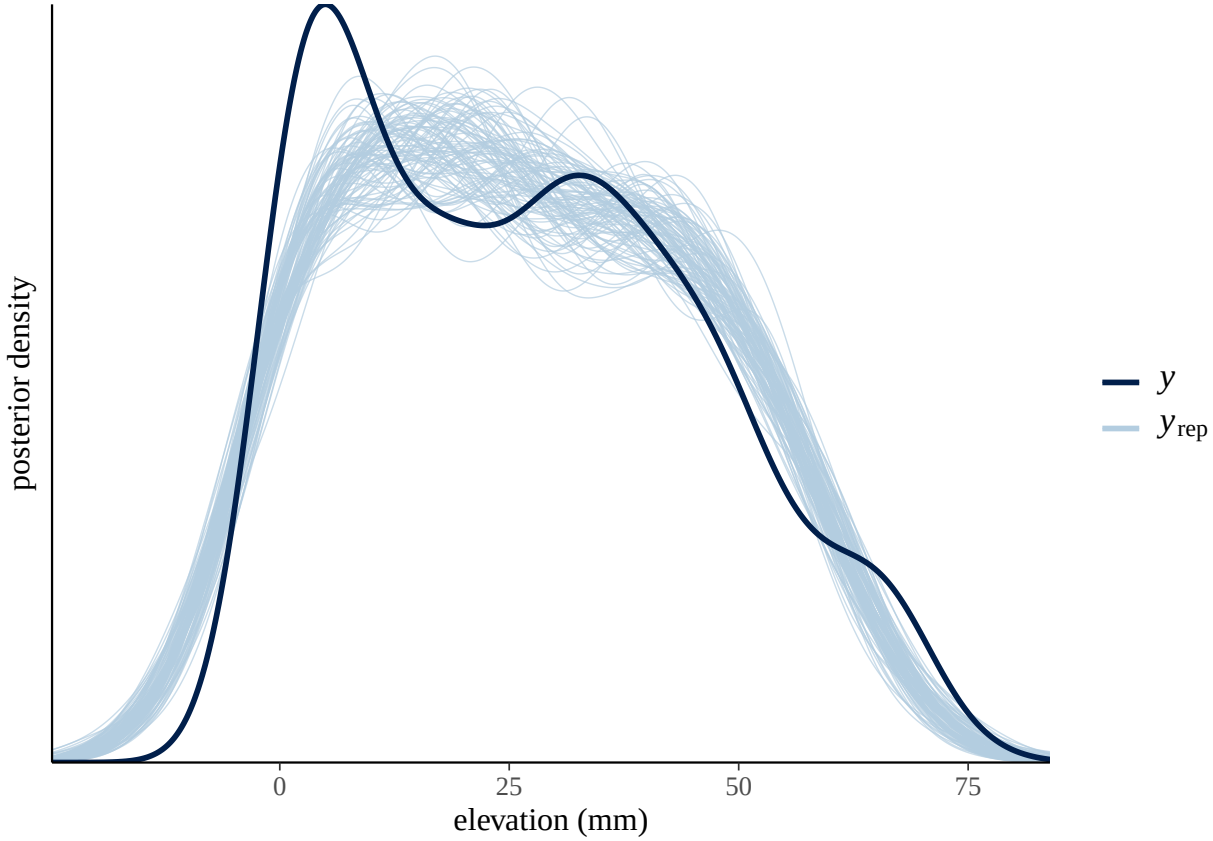


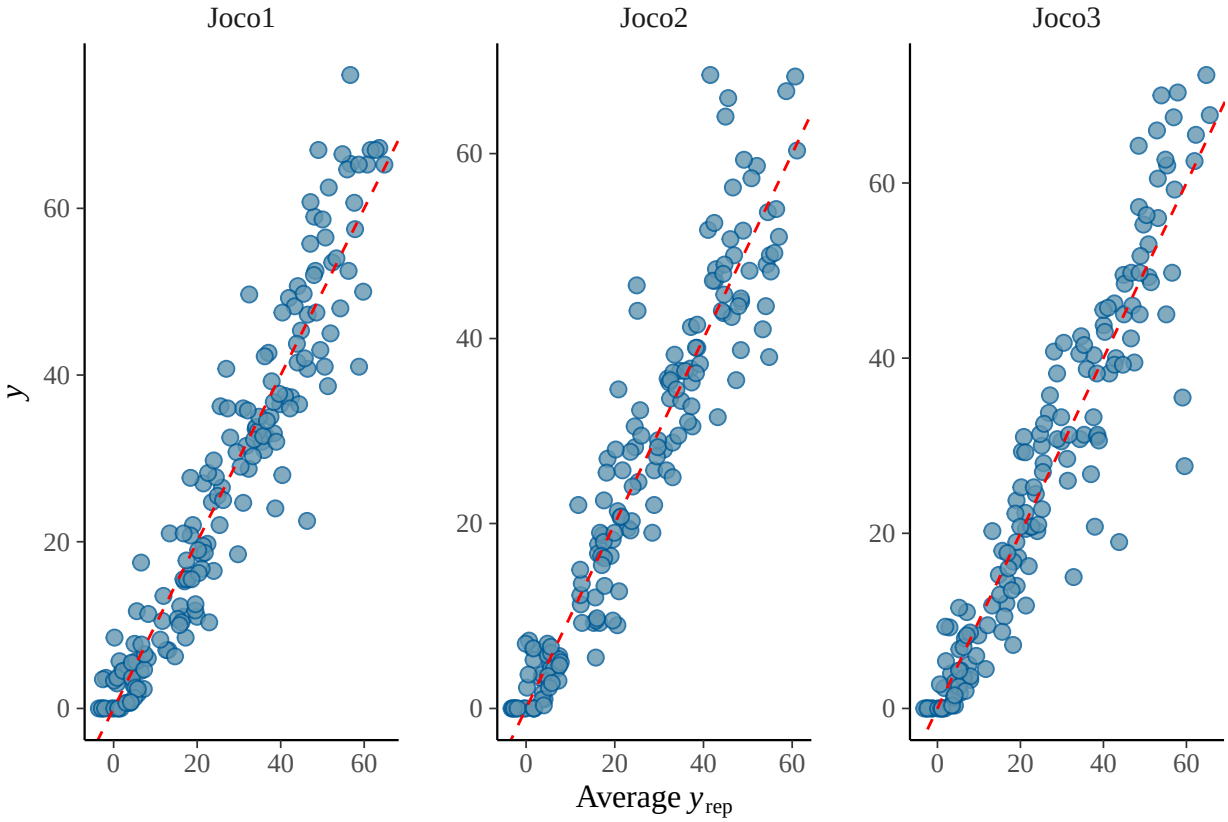
	Point est.	Upper C.I.
b_Intercept	1.01	1.02
b_year	1.01	1.01
sd_set__Intercept	1.02	1.02
sd_set__year	1.01	1.02
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[EE1,Intercept]	1.05	1.05
r_set[EE2,Intercept]	1.05	1.05
r_set[EE3,Intercept]	1.04	1.04
r_set[EE1,year]	1.00	1.01
r_set[EE2,year]	1.01	1.01
r_set[EE3,year]	1.01	1.01
r_set:horizon[EE1_2,Intercept]	1.00	1.01
r_set:horizon[EE1_3,Intercept]	1.01	1.01
r_set:horizon[EE1_A,Intercept]	1.01	1.01
r_set:horizon[EE1_B,Intercept]	1.00	1.00
r_set:horizon[EE1_C,Intercept]	1.00	1.00

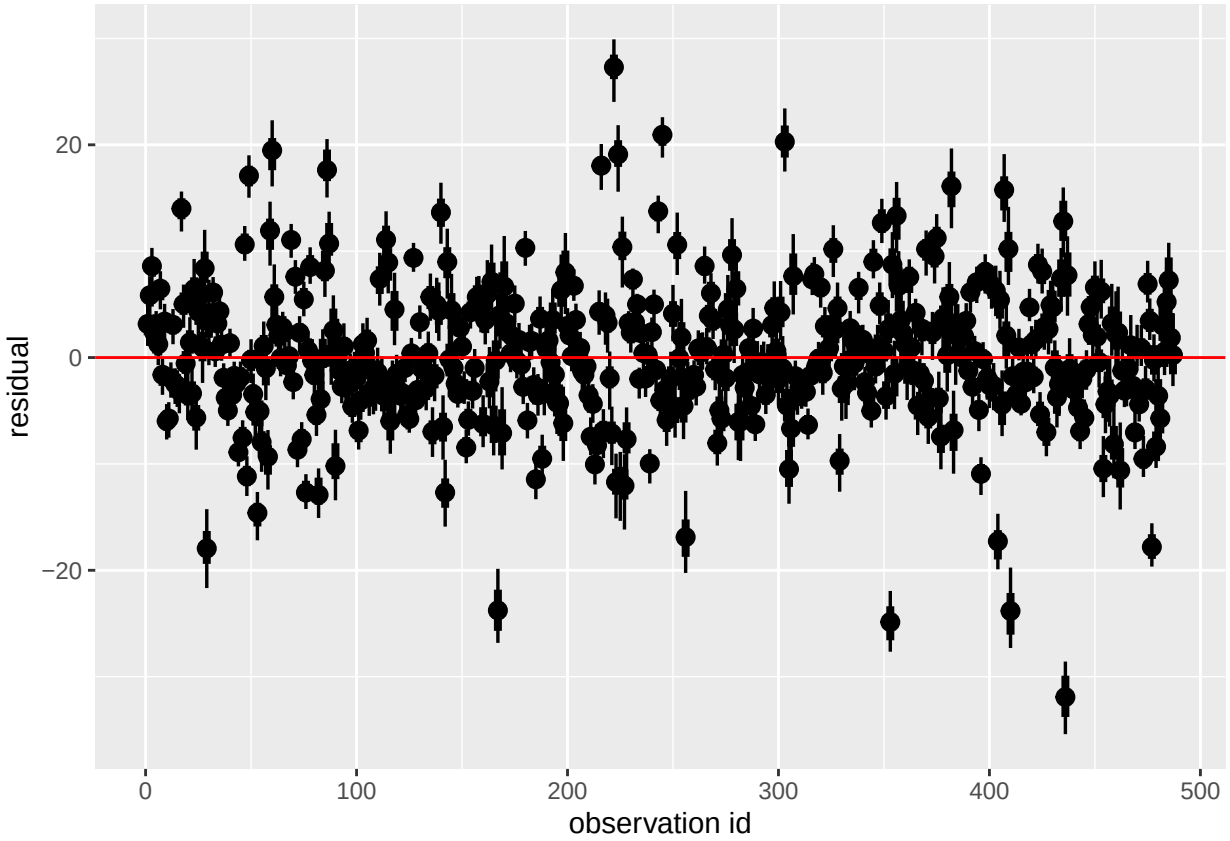
	Point est.	Upper C.I.
r_set:horizon[EE2_1,Intercept]	1.00	1.00
r_set:horizon[EE2_2,Intercept]	1.00	1.00
r_set:horizon[EE2_3,Intercept]	1.00	1.00
r_set:horizon[EE2_A,Intercept]	1.00	1.00
r_set:horizon[EE2_B,Intercept]	1.00	1.01
r_set:horizon[EE2_C,Intercept]	1.00	1.00
r_set:horizon[EE3_1,Intercept]	1.00	1.01
r_set:horizon[EE3_2,Intercept]	1.01	1.01
r_set:horizon[EE3_3,Intercept]	1.00	1.00
r_set:horizon[EE3_A,Intercept]	1.01	1.01
r_set:horizon[EE3_B,Intercept]	1.00	1.01
r_set:horizon[EE3_C,Intercept]	1.00	1.00
r_set:horizon[EE1_2,year]	1.00	1.00
r_set:horizon[EE1_3,year]	1.00	1.00
r_set:horizon[EE1_A,year]	1.00	1.00
r_set:horizon[EE1_B,year]	1.00	1.00
r_set:horizon[EE1_C,year]	1.00	1.00
r_set:horizon[EE2_1,year]	1.00	1.00
r_set:horizon[EE2_2,year]	1.00	1.00
r_set:horizon[EE2_3,year]	1.00	1.01
r_set:horizon[EE2_A,year]	1.00	1.00
r_set:horizon[EE2_B,year]	1.00	1.00
r_set:horizon[EE2_C,year]	1.00	1.00
r_set:horizon[EE3_1,year]	1.00	1.00
r_set:horizon[EE3_2,year]	1.00	1.00
r_set:horizon[EE3_3,year]	1.00	1.00
r_set:horizon[EE3_A,year]	1.00	1.00
r_set:horizon[EE3_B,year]	1.00	1.00
r_set:horizon[EE3_C,year]	1.00	1.00
lp___	1.00	1.01

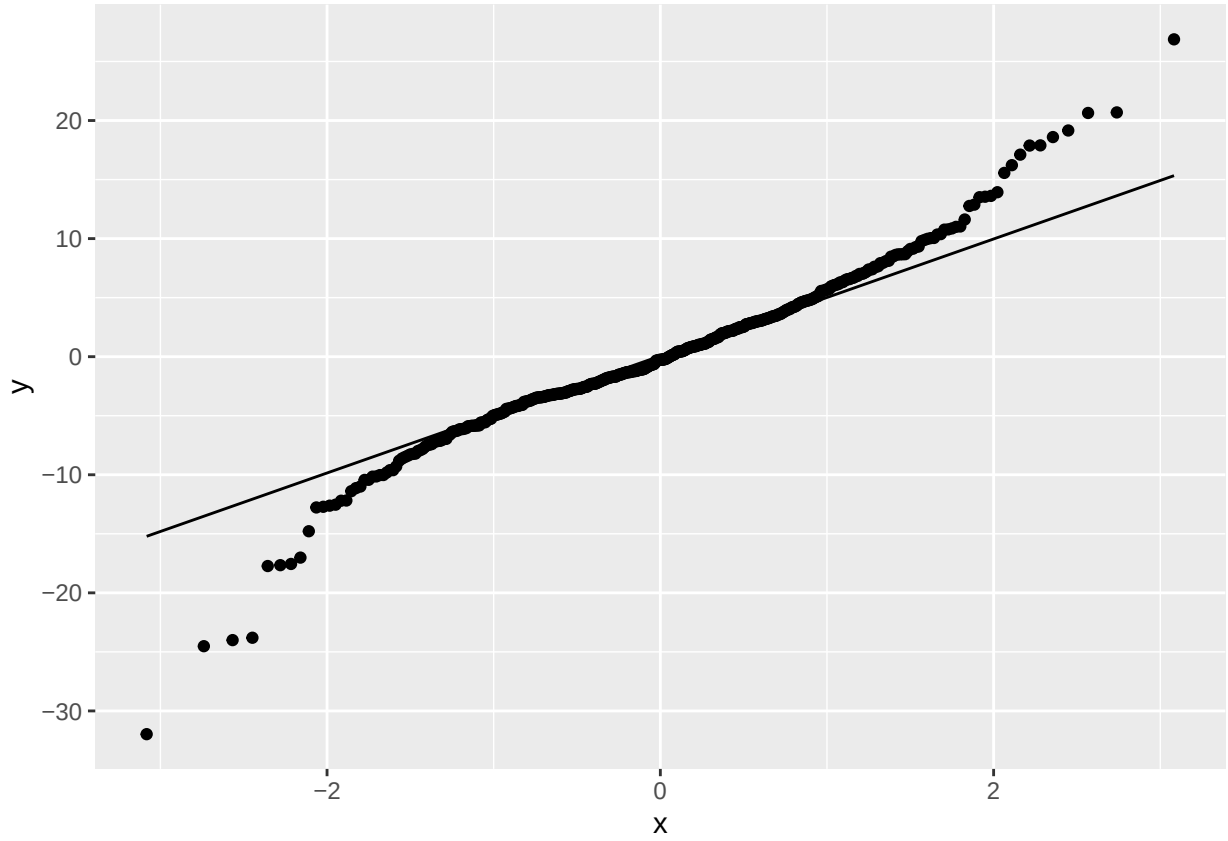
Number of divergences: 3

GATE: JOCO


posterior density
0
25
50
75
elevation (mm)
y
y rep


Joco1
Joco2
Joco3
y
0
20
40
60
Average y rep


residual
20
0
−20
0
100
200
300
400
500
observation id

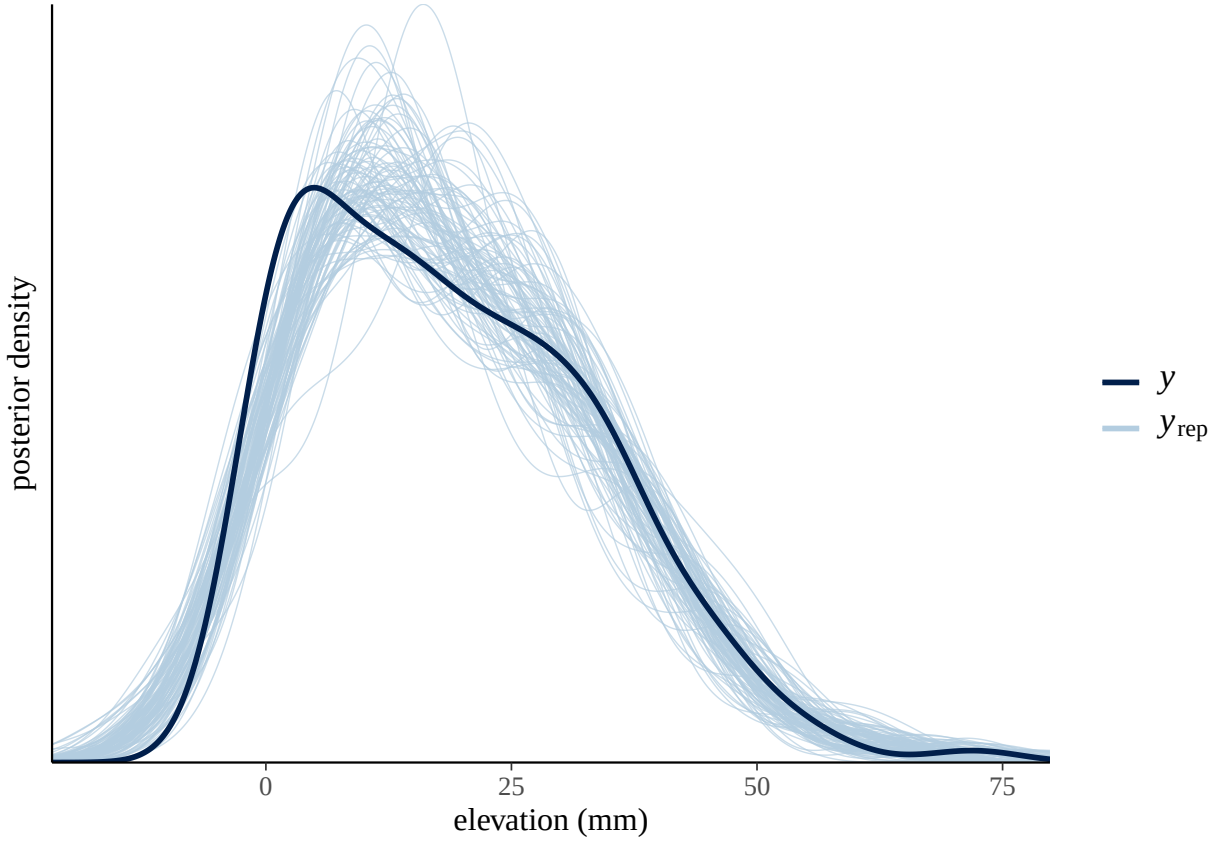


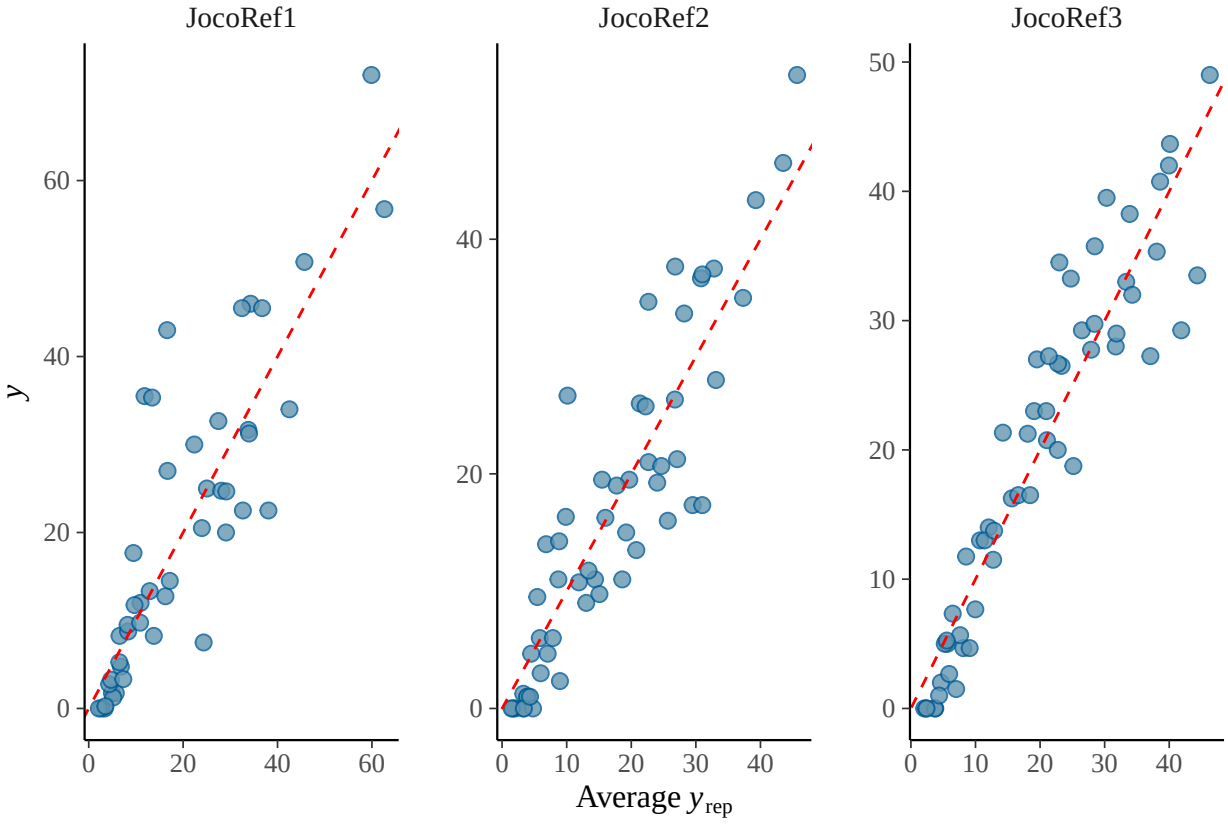
	Point est.	Upper C.I.
b_Intercept	1.04	1.04
b_year	1.02	1.05
sd_set__Intercept	1.06	1.07
sd_set__year	1.02	1.05
sd_set:horizon__Intercept	1.01	1.03
sd_set:horizon__year	1.01	1.03
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Joco1,Intercept]	1.05	1.06
r_set[Joco2,Intercept]	1.07	1.08
r_set[Joco3,Intercept]	1.05	1.05
r_set[Joco1,year]	1.01	1.05
r_set[Joco2,year]	1.01	1.05
r_set[Joco3,year]	1.02	1.06
r_set:horizon[Joco1_A,Intercept]	1.00	1.01
r_set:horizon[Joco1_B,Intercept]	1.00	1.01
r_set:horizon[Joco1_C,Intercept]	1.00	1.01
r_set:horizon[Joco1_F1,Intercept]	1.00	1.00
r_set:horizon[Joco1_F2,Intercept]	1.00	1.00

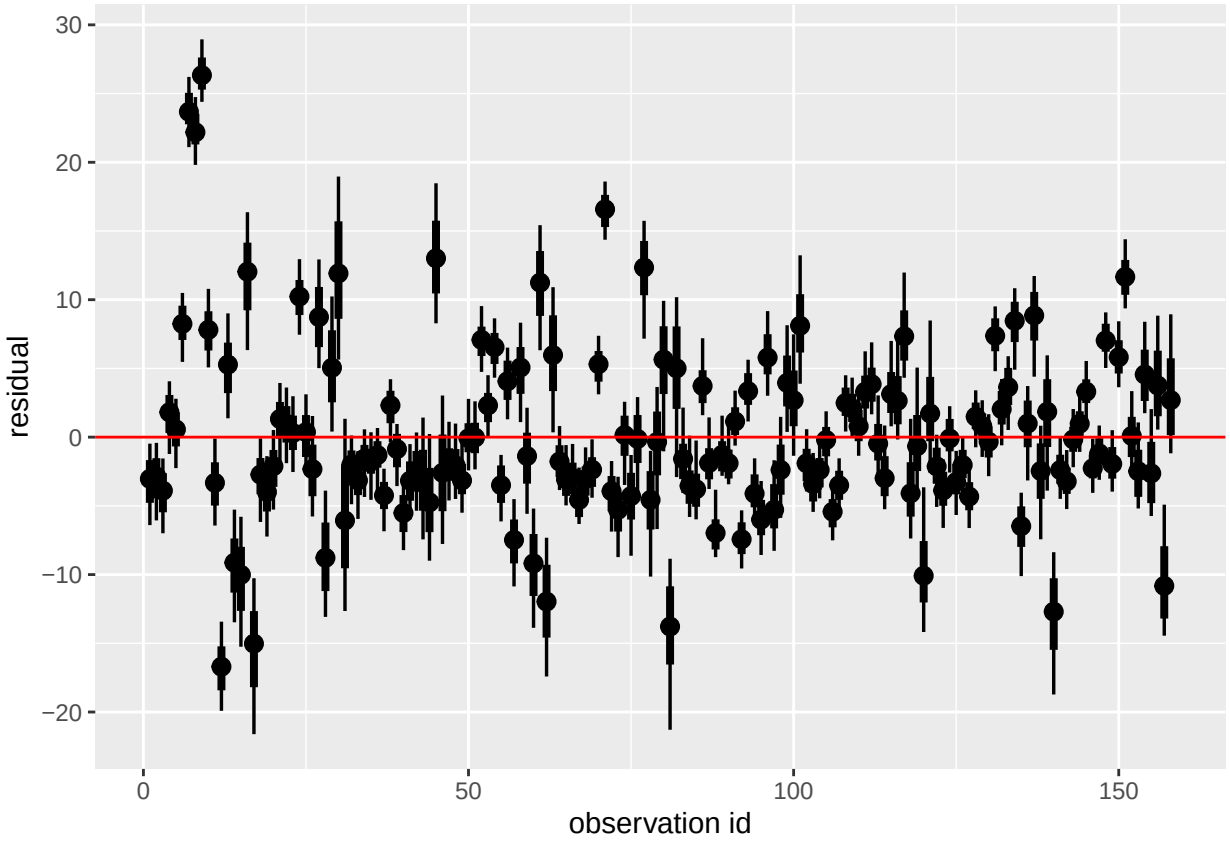
	Point est.	Upper C.I.
r_set:horizon[Joco1_F3,Intercept]	1.01	1.02
r_set:horizon[Joco2_A,Intercept]	1.00	1.00
r_set:horizon[Joco2_B,Intercept]	1.00	1.01
r_set:horizon[Joco2_C,Intercept]	1.00	1.01
r_set:horizon[Joco2_F1,Intercept]	1.01	1.02
r_set:horizon[Joco2_F2,Intercept]	1.00	1.01
r_set:horizon[Joco2_F3,Intercept]	1.00	1.01
r_set:horizon[Joco3_A,Intercept]	1.00	1.01
r_set:horizon[Joco3_B,Intercept]	1.01	1.03
r_set:horizon[Joco3_C,Intercept]	1.00	1.00
r_set:horizon[Joco3_F1,Intercept]	1.00	1.00
r_set:horizon[Joco3_F2,Intercept]	1.02	1.05
r_set:horizon[Joco3_F3,Intercept]	1.02	1.04
r_set:horizon[Joco1_A,year]	1.00	1.01
r_set:horizon[Joco1_B,year]	1.00	1.00
r_set:horizon[Joco1_C,year]	1.00	1.00
r_set:horizon[Joco1_F1,year]	1.00	1.00
r_set:horizon[Joco1_F2,year]	1.00	1.00
r_set:horizon[Joco1_F3,year]	1.00	1.01
r_set:horizon[Joco2_A,year]	1.00	1.01
r_set:horizon[Joco2_B,year]	1.00	1.00
r_set:horizon[Joco2_C,year]	1.00	1.01
r_set:horizon[Joco2_F1,year]	1.00	1.00
r_set:horizon[Joco2_F2,year]	1.00	1.00
r_set:horizon[Joco2_F3,year]	1.00	1.00
r_set:horizon[Joco3_A,year]	1.00	1.02
r_set:horizon[Joco3_B,year]	1.01	1.04
r_set:horizon[Joco3_C,year]	1.00	1.00
r_set:horizon[Joco3_F1,year]	1.00	1.00
r_set:horizon[Joco3_F2,year]	1.00	1.01
r_set:horizon[Joco3_F3,year]	1.00	1.01
lp___	1.01	1.02

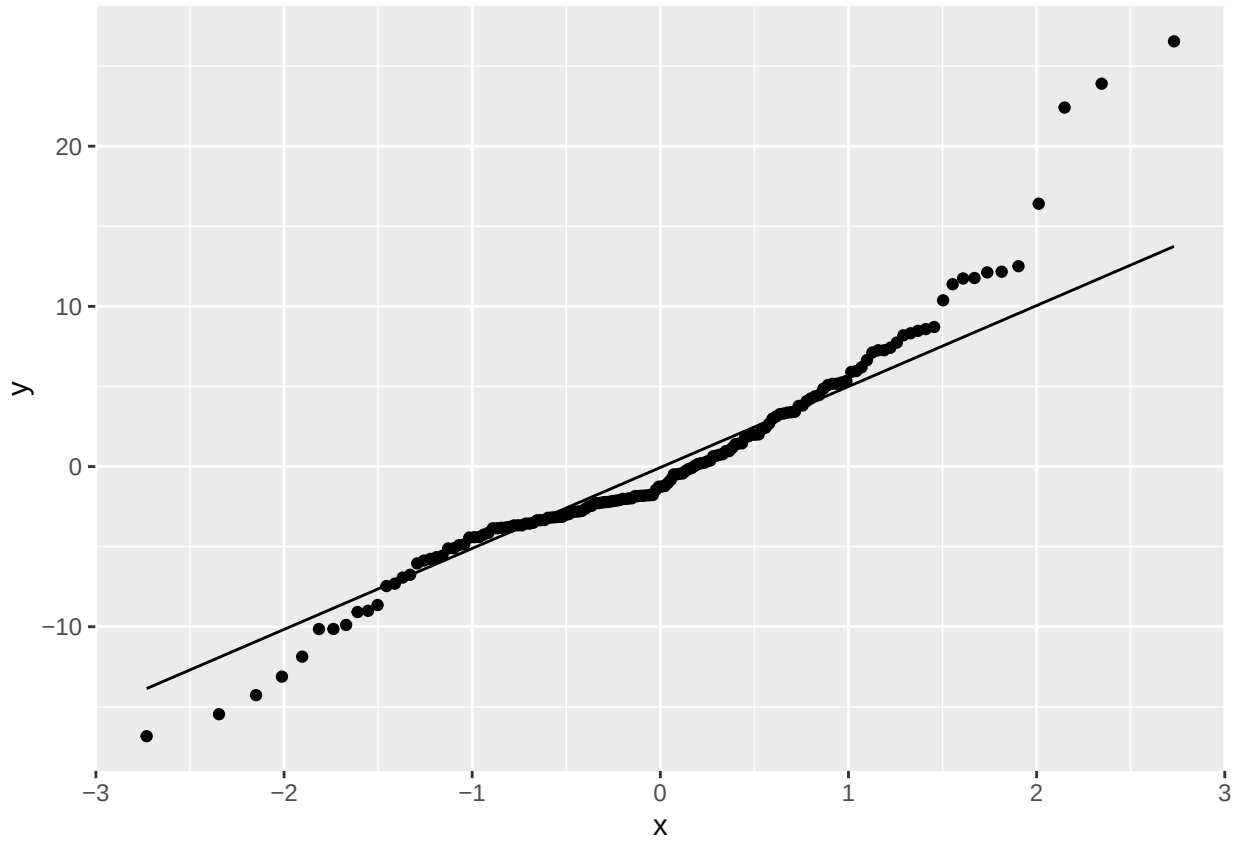
Number of divergences: 0

GATE: JOCOREFGen






30
20
10
0
−10
−20
residual
0
50
100
150
observation id

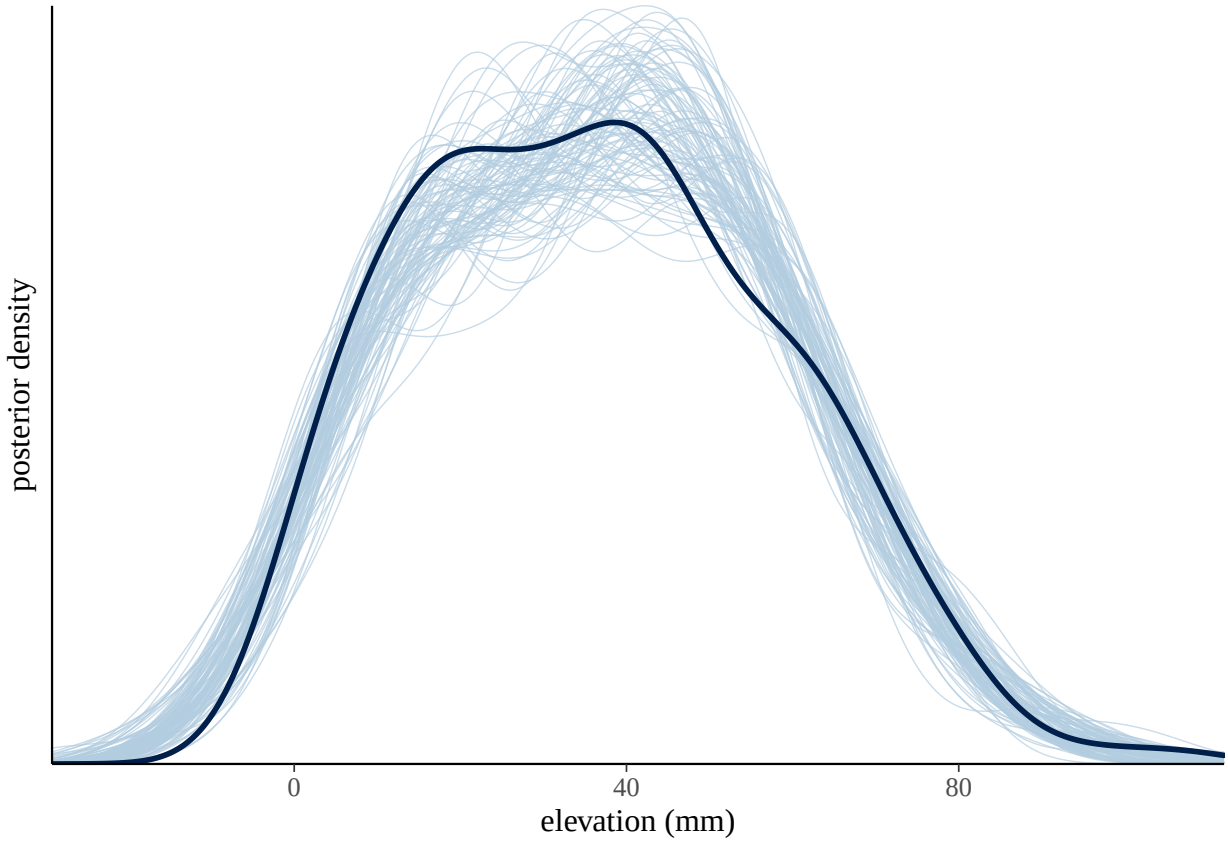


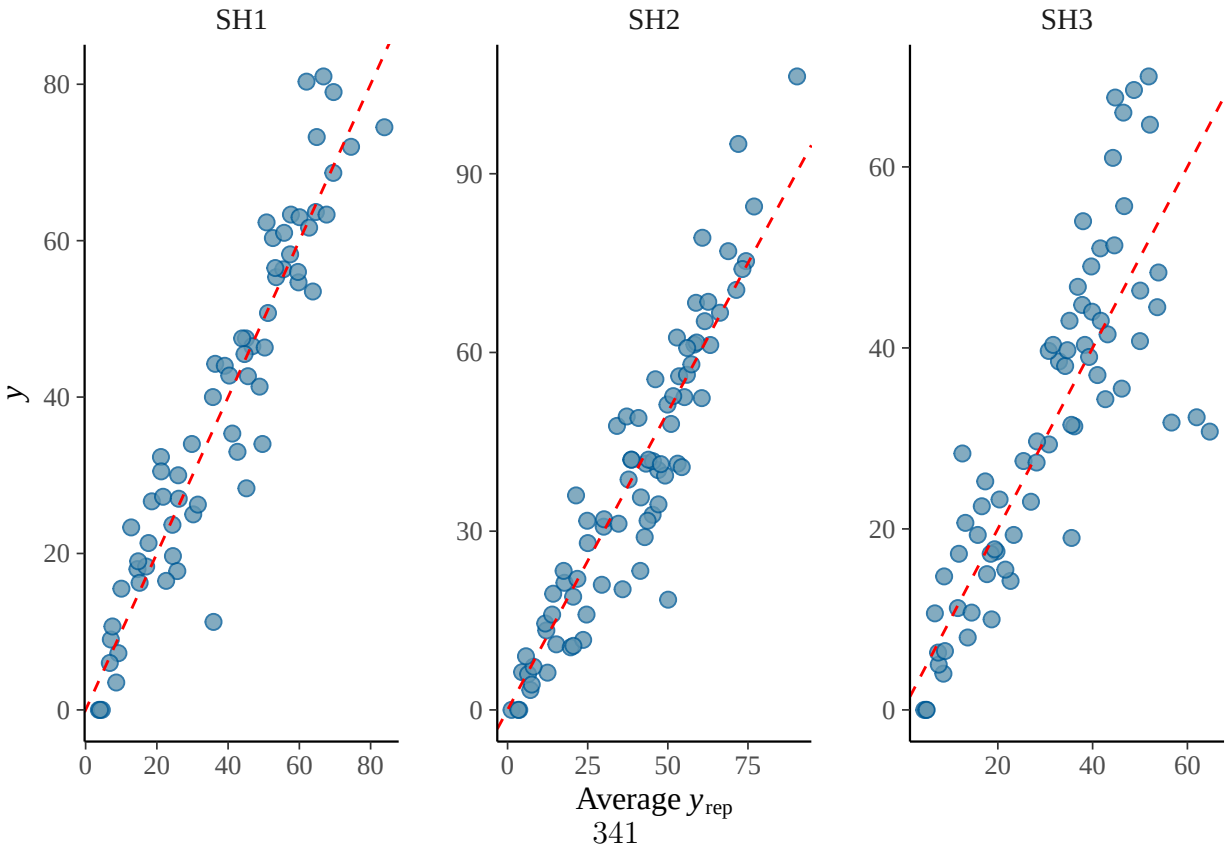
	Point est.	Upper C.I.
b_Intercept	1.01	1.01
b_year	1.01	1.03
sd_set__Intercept	1.01	1.01
sd_set__year	1.01	1.03
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[JocoRef1,Intercept]	1.01	1.01
r_set[JocoRef2,Intercept]	1.03	1.03
r_set[JocoRef3,Intercept]	1.02	1.03
r_set[JocoRef1,year]	1.01	1.03
r_set[JocoRef2,year]	1.01	1.03
r_set[JocoRef3,year]	1.01	1.03
r_set:horizon[JocoRef1_A,Intercept]	1.00	1.00
r_set:horizon[JocoRef1_B,Intercept]	1.00	1.00
r_set:horizon[JocoRef1_C,Intercept]	1.00	1.00
r_set:horizon[JocoRef2_A,Intercept]	1.00	1.00
r_set:horizon[JocoRef2_B,Intercept]	1.00	1.00

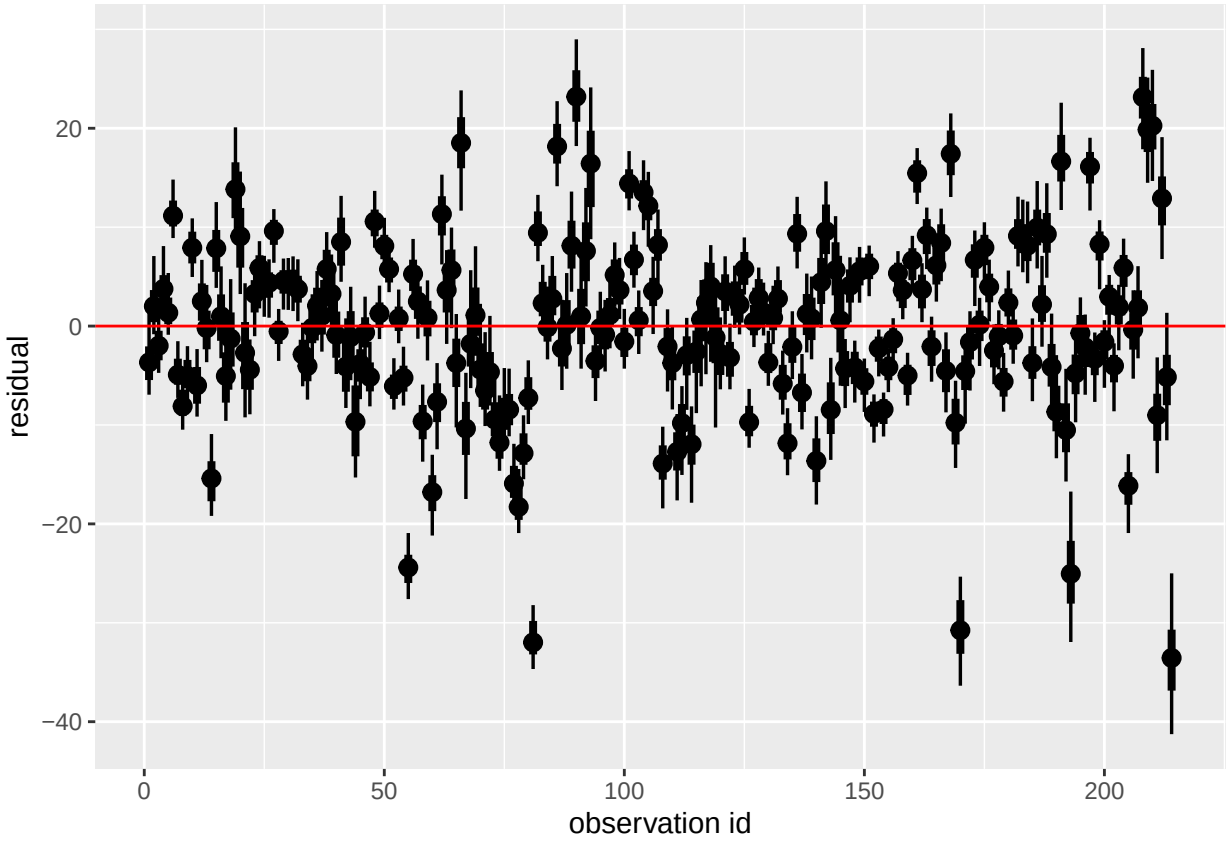
	Point est.	Upper C.I.
r_set:horizon[JocoRef2_C,Intercept]	1.00	1.00
r_set:horizon[JocoRef3_A,Intercept]	1.00	1.00
r_set:horizon[JocoRef3_B,Intercept]	1.00	1.00
r_set:horizon[JocoRef3_C,Intercept]	1.00	1.00
r_set:horizon[JocoRef1_A,year]	1.00	1.00
r_set:horizon[JocoRef1_B,year]	1.00	1.01
r_set:horizon[JocoRef1_C,year]	1.00	1.00
r_set:horizon[JocoRef2_A,year]	1.00	1.00
r_set:horizon[JocoRef2_B,year]	1.00	1.00
r_set:horizon[JocoRef2_C,year]	1.00	1.00
r_set:horizon[JocoRef3_A,year]	1.00	1.00
r_set:horizon[JocoRef3_B,year]	1.00	1.00
r_set:horizon[JocoRef3_C,year]	1.00	1.01
lp___	1.00	1.00

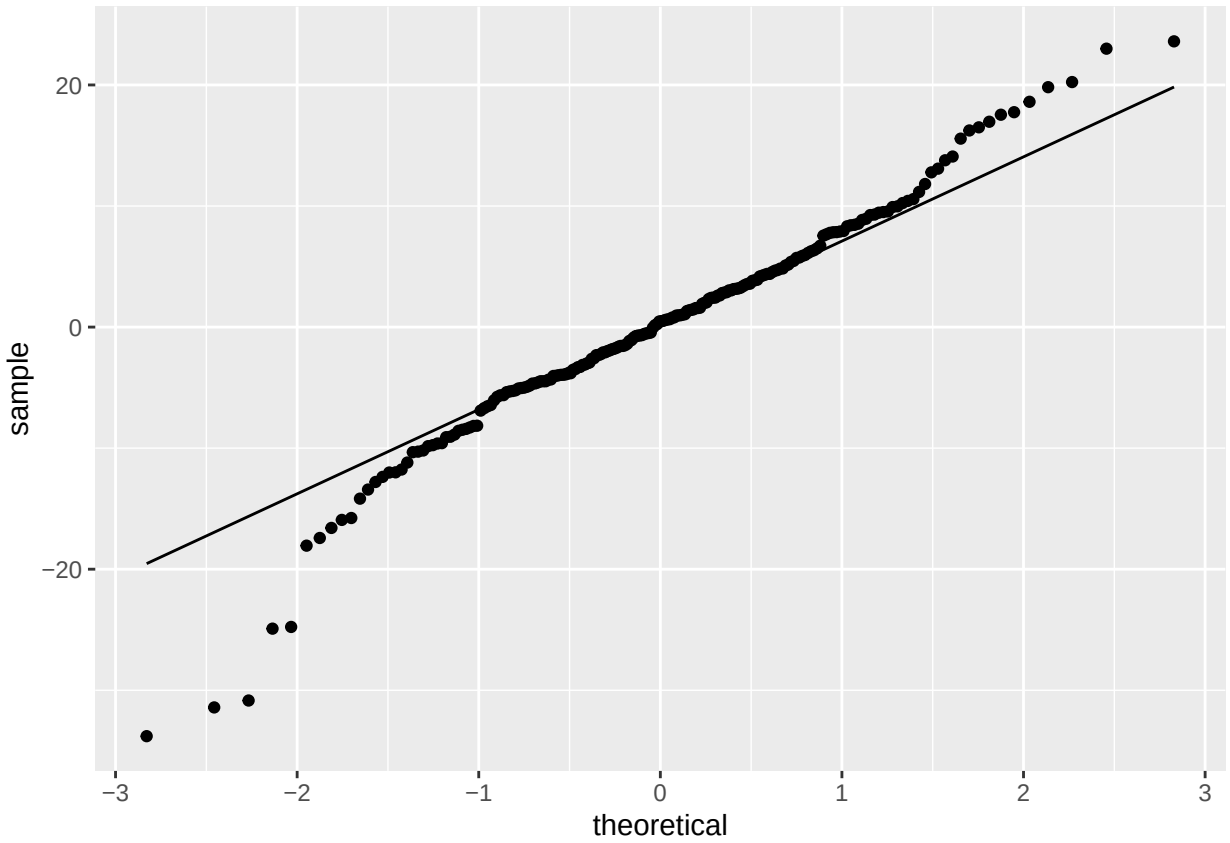
Number of divergences: 1

GATE: SandyHook






residual
20
0
−20
−40
0
50
100
150
200
observation id

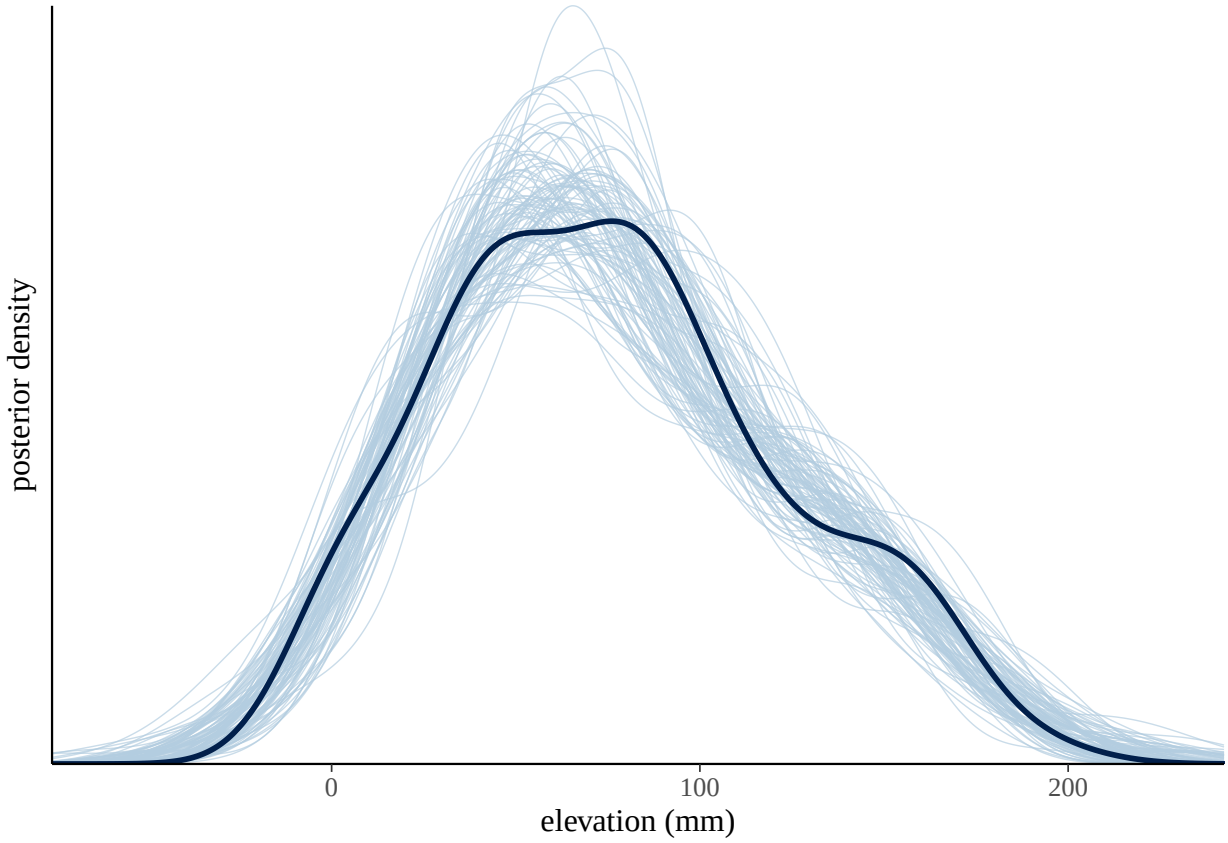


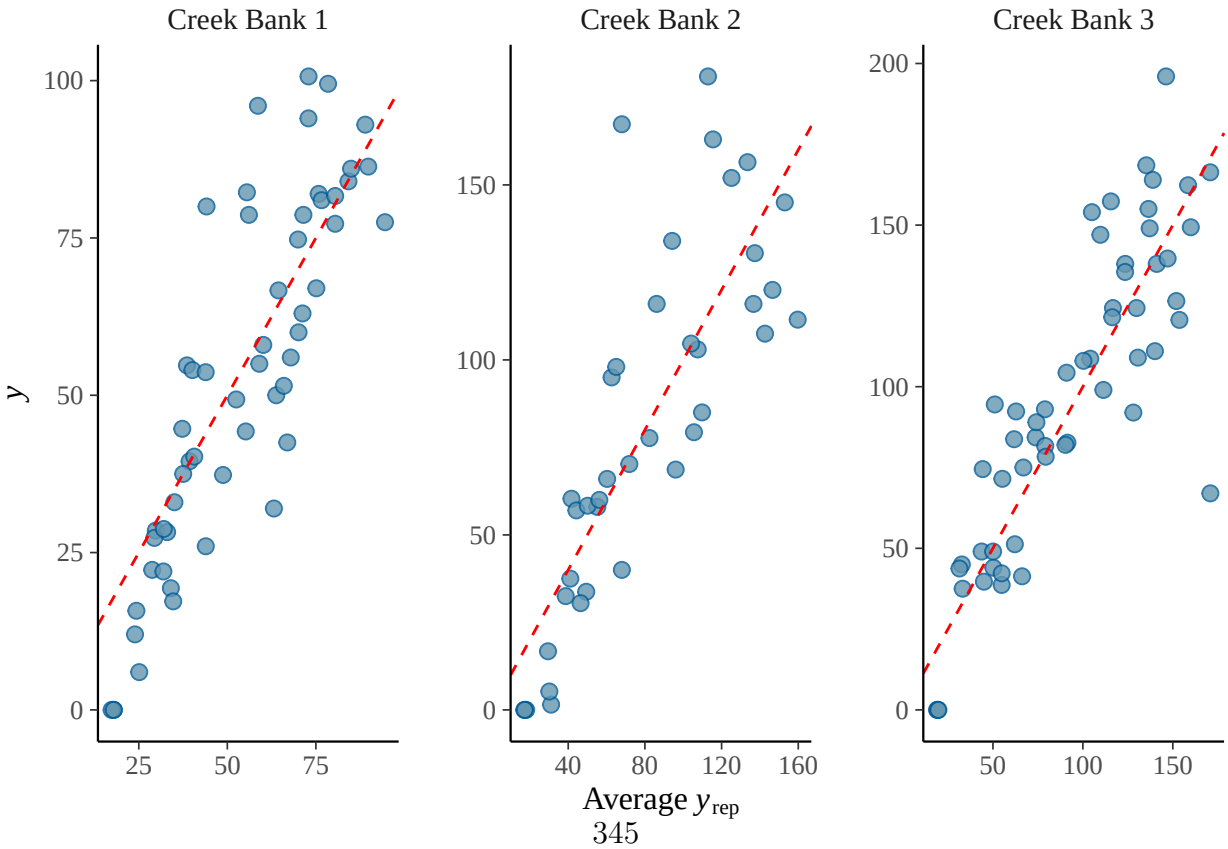
	Point est.	Upper C.I.
b_Intercept	1.04	1.05
b_year	1.00	1.00
sd_set__Intercept	1.04	1.04
sd_set__year	1.01	1.02
sd_set:horizon__Intercept	1.00	1.00
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[SH1,Intercept]	1.05	1.06
r_set[SH2,Intercept]	1.03	1.04
r_set[SH3,Intercept]	1.04	1.05
r_set[SH1,year]	1.00	1.00
r_set[SH2,year]	1.00	1.01
r_set[SH3,year]	1.00	1.01
r_set:horizon[SH1_A,Intercept]	1.00	1.00
r_set:horizon[SH1_B,Intercept]	1.00	1.01
r_set:horizon[SH1_C,Intercept]	1.00	1.00
r_set:horizon[SH2_A,Intercept]	1.00	1.00
r_set:horizon[SH2_B,Intercept]	1.00	1.00

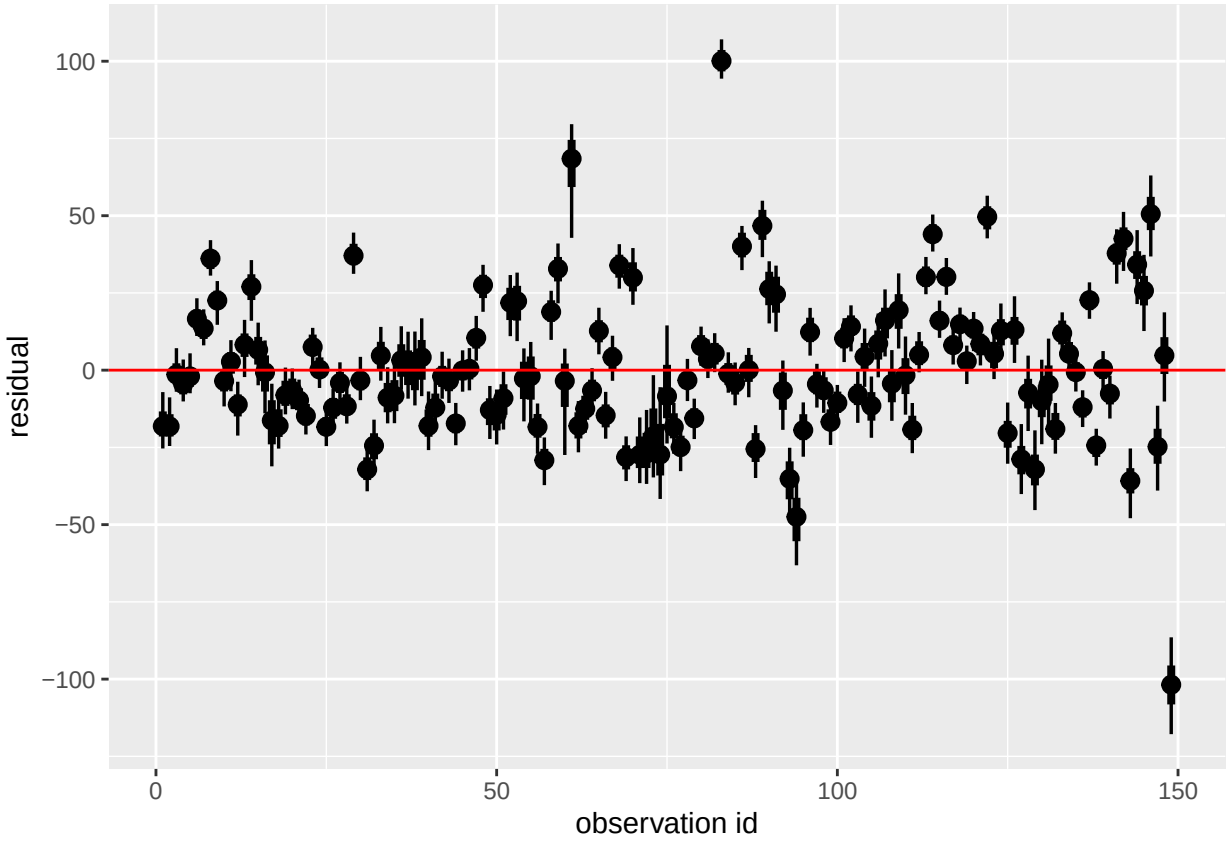
	Point est.	Upper C.I.
r_set:horizon[SH2_C,Intercept]	1.00	1.01
r_set:horizon[SH3_A,Intercept]	1.00	1.00
r_set:horizon[SH3_B,Intercept]	1.00	1.00
r_set:horizon[SH3_C,Intercept]	1.00	1.00
r_set:horizon[SH1_A,year]	1.00	1.00
r_set:horizon[SH1_B,year]	1.00	1.00
r_set:horizon[SH1_C,year]	1.00	1.00
r_set:horizon[SH2_A,year]	1.00	1.00
r_set:horizon[SH2_B,year]	1.00	1.00
r_set:horizon[SH2_C,year]	1.00	1.00
r_set:horizon[SH3_A,year]	1.00	1.00
r_set:horizon[SH3_B,year]	1.00	1.00
r_set:horizon[SH3_C,year]	1.00	1.00
lp___	1.00	1.01

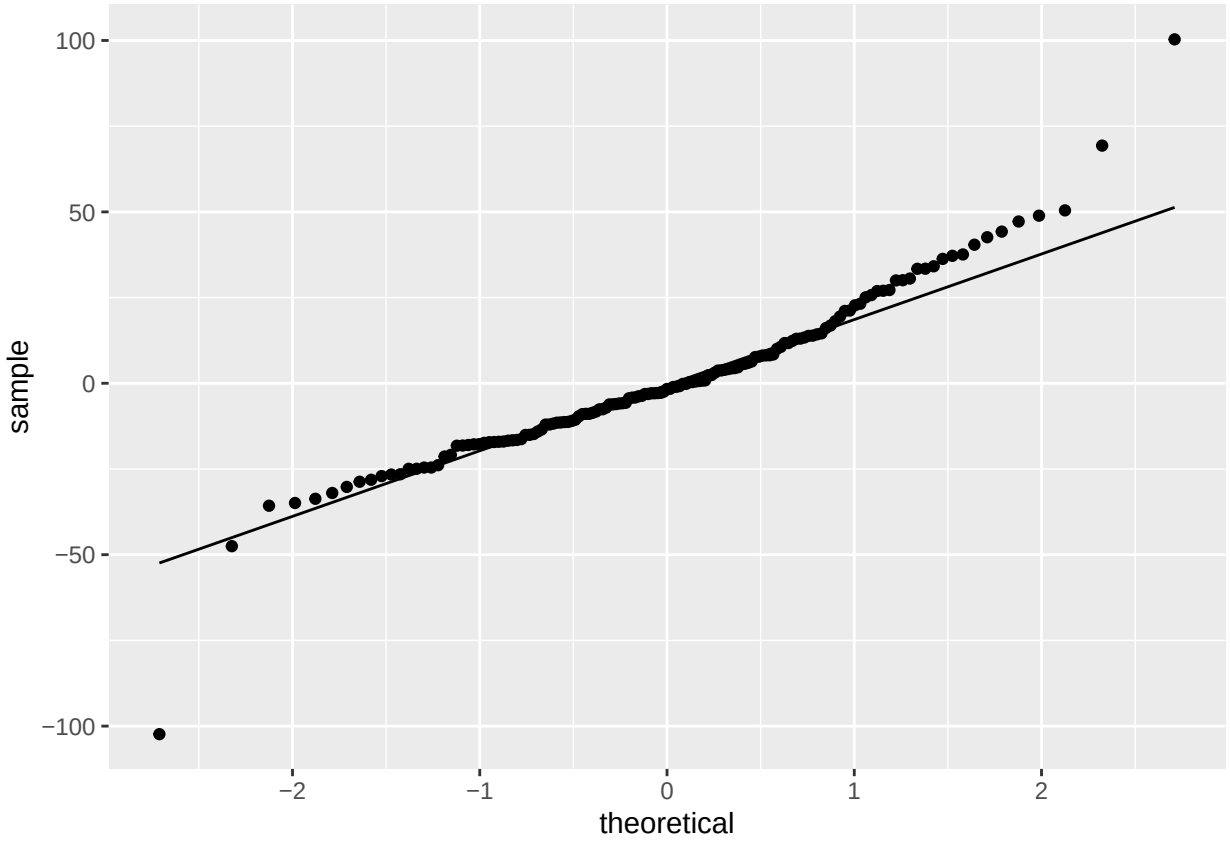
Number of divergences: 1

GWMP: DykeMarshCreek






100
50
0
−50
−100
residual
0
50
100
150
observation id

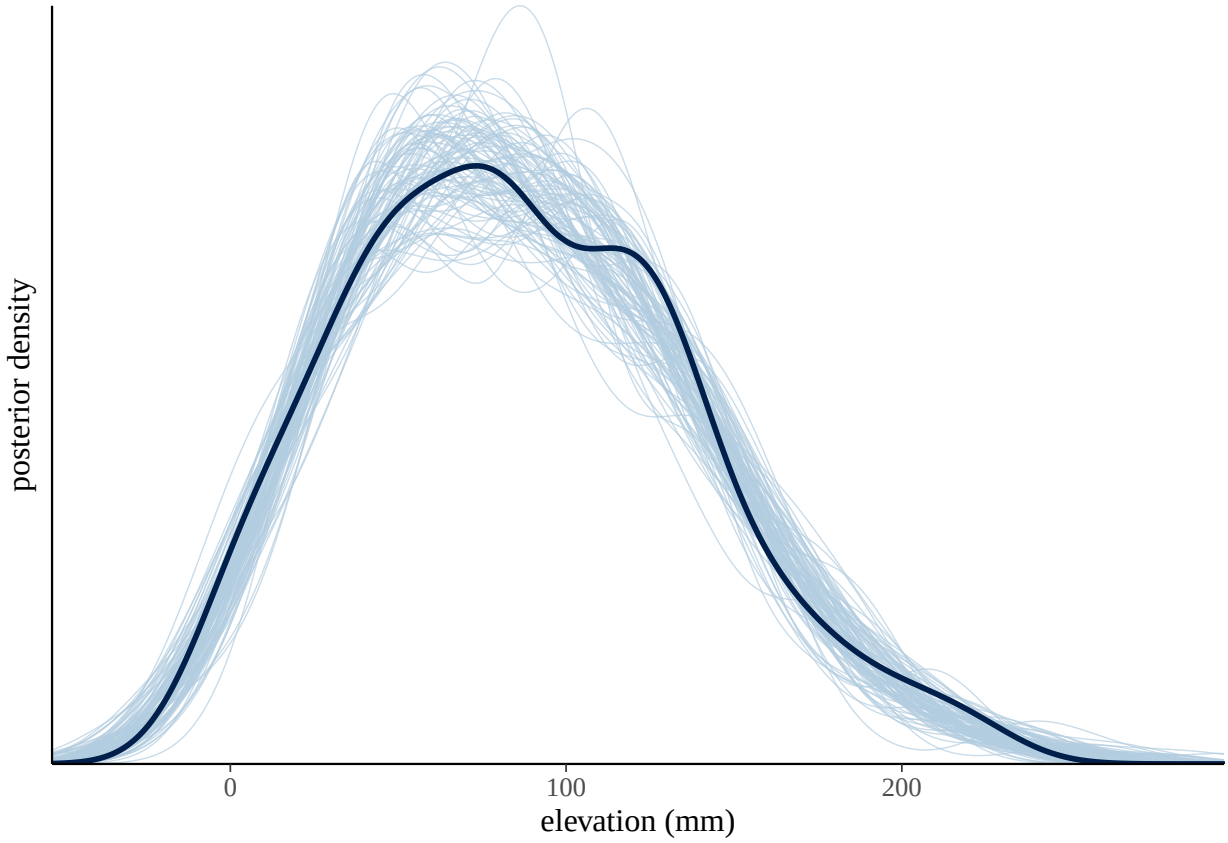


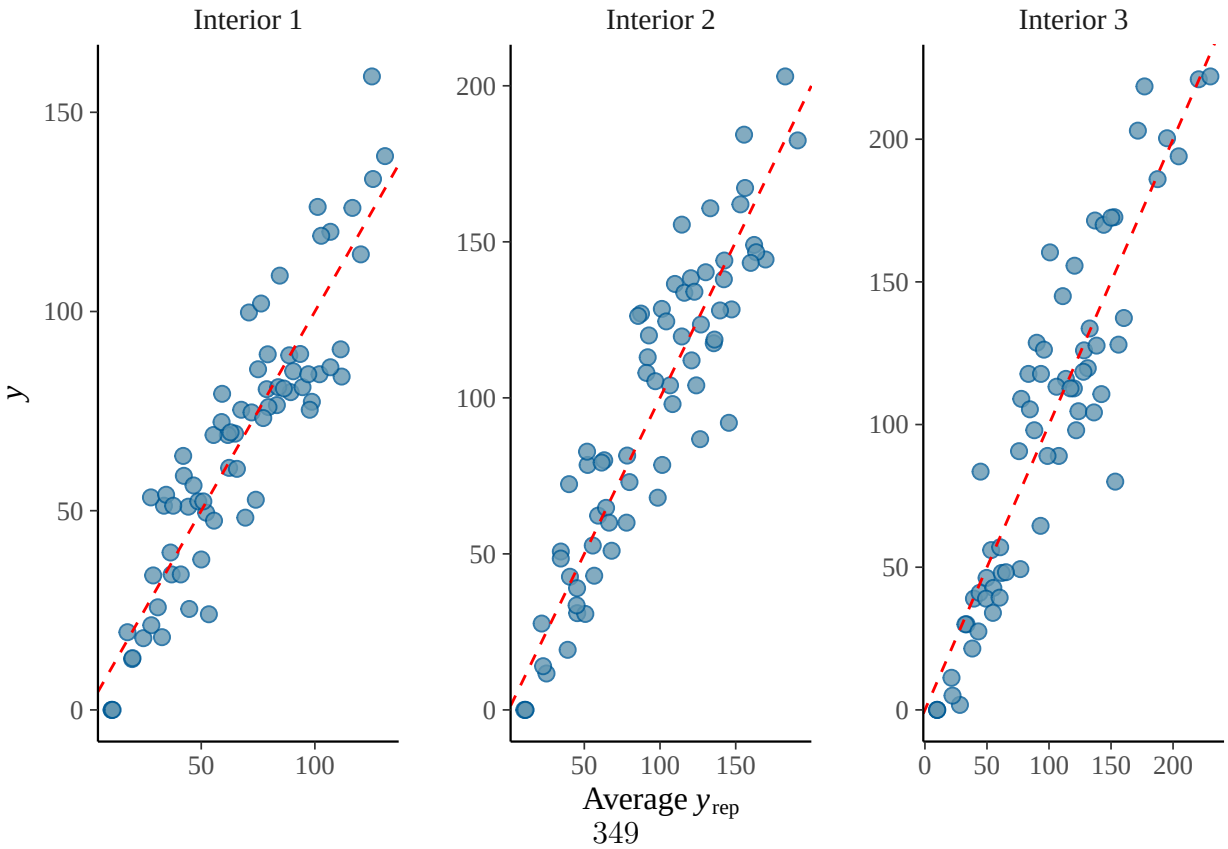
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.01	1.01
sd_set__year	1.00	1.00
sd_set:horizon__Intercept	1.00	1.01
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[Creek.Bank.1,Intercept]	1.01	1.01
r_set[Creek.Bank.2,Intercept]	1.00	1.01
r_set[Creek.Bank.3,Intercept]	1.01	1.01
r_set[Creek.Bank.1,year]	1.00	1.00
r_set[Creek.Bank.2,year]	1.00	1.00
r_set[Creek.Bank.3,year]	1.00	1.00
r_set:horizon[Creek.Bank.1_A,Intercept]	1.01	1.01
r_set:horizon[Creek.Bank.1_B,Intercept]	1.01	1.01
r_set:horizon[Creek.Bank.1_C,Intercept]	1.00	1.00
r_set:horizon[Creek.Bank.2_A,Intercept]	1.00	1.00
r_set:horizon[Creek.Bank.2_B,Intercept]	1.00	1.00

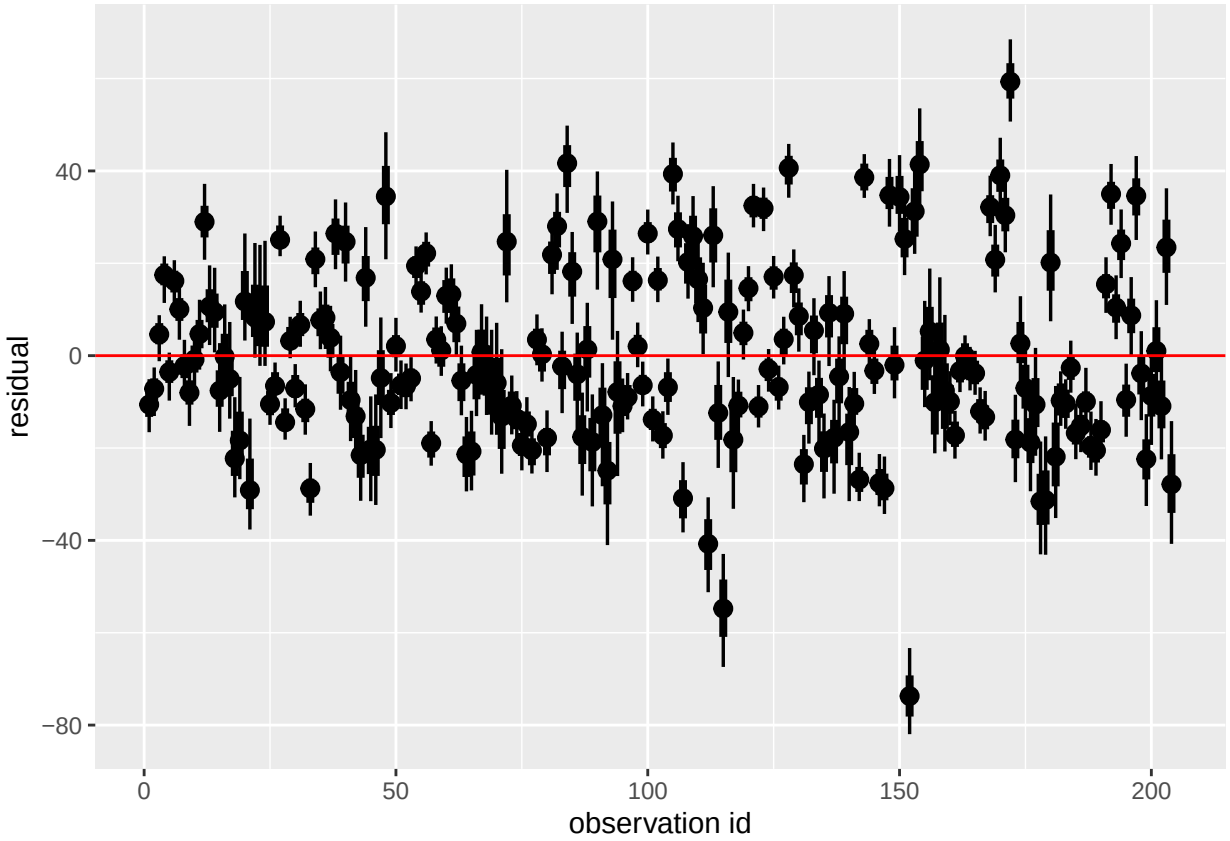
	Point est.	Upper C.I.
r_set:horizon[Creek.Bank.2_C,Intercept]	1.00	1.00
r_set:horizon[Creek.Bank.3_A,Intercept]	1.01	1.02
r_set:horizon[Creek.Bank.3_B,Intercept]	1.00	1.00
r_set:horizon[Creek.Bank.3_C,Intercept]	1.00	1.00
r_set:horizon[Creek.Bank.1_A,year]	1.00	1.00
r_set:horizon[Creek.Bank.1_B,year]	1.00	1.00
r_set:horizon[Creek.Bank.1_C,year]	1.00	1.00
r_set:horizon[Creek.Bank.2_A,year]	1.00	1.00
r_set:horizon[Creek.Bank.2_B,year]	1.00	1.00
r_set:horizon[Creek.Bank.2_C,year]	1.00	1.00
r_set:horizon[Creek.Bank.3_A,year]	1.00	1.01
r_set:horizon[Creek.Bank.3_B,year]	1.00	1.00
r_set:horizon[Creek.Bank.3_C,year]	1.00	1.00
lp__	1.01	1.03

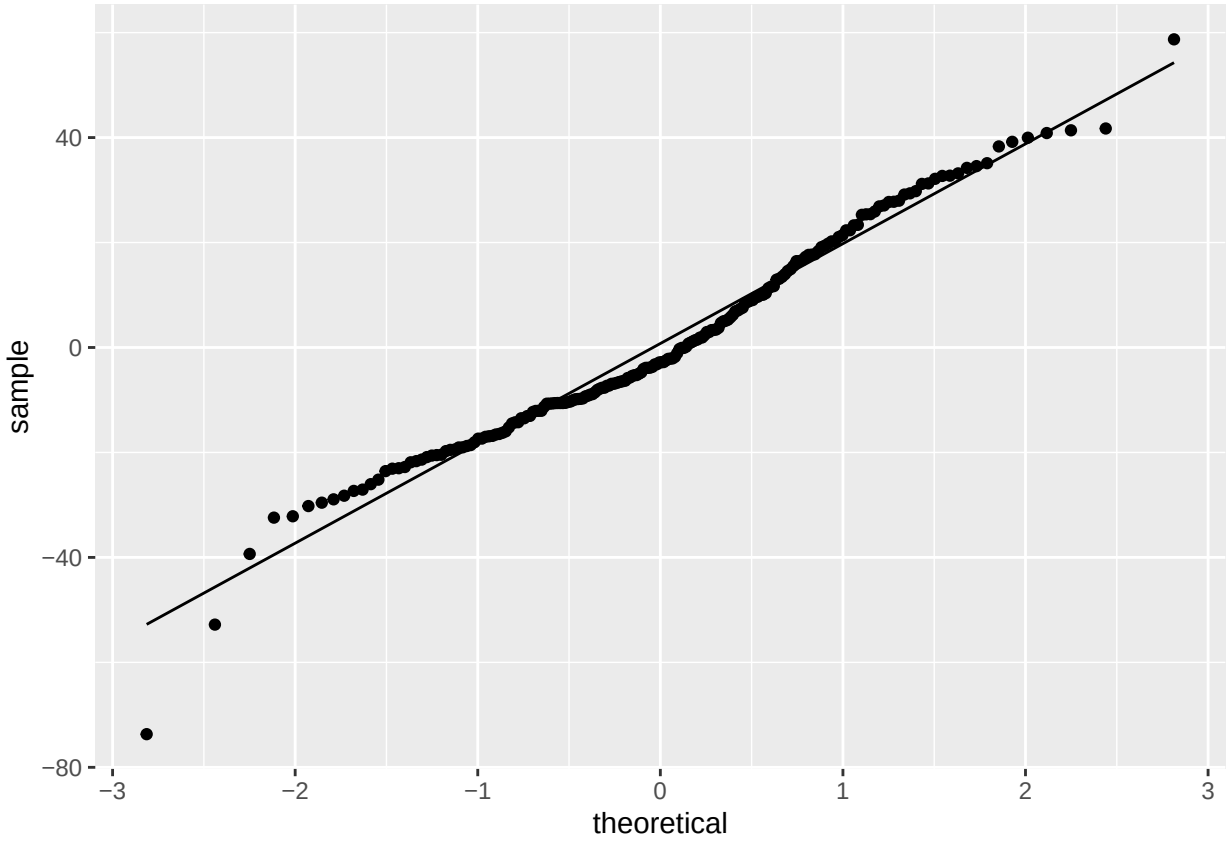
Number of divergences: 1

GWMP: DykeMarshInterior






residual
40
0
−40
−80
0
50
100
150
200
observation id

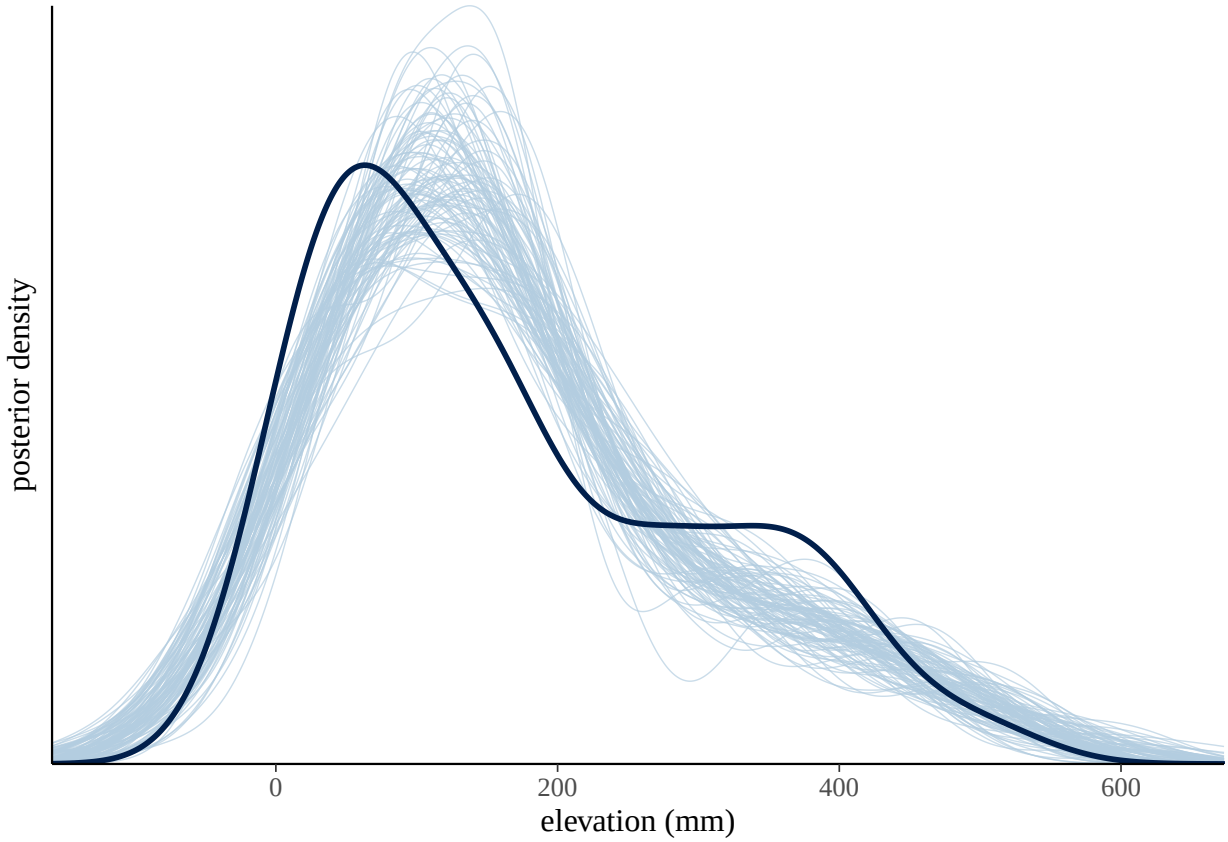


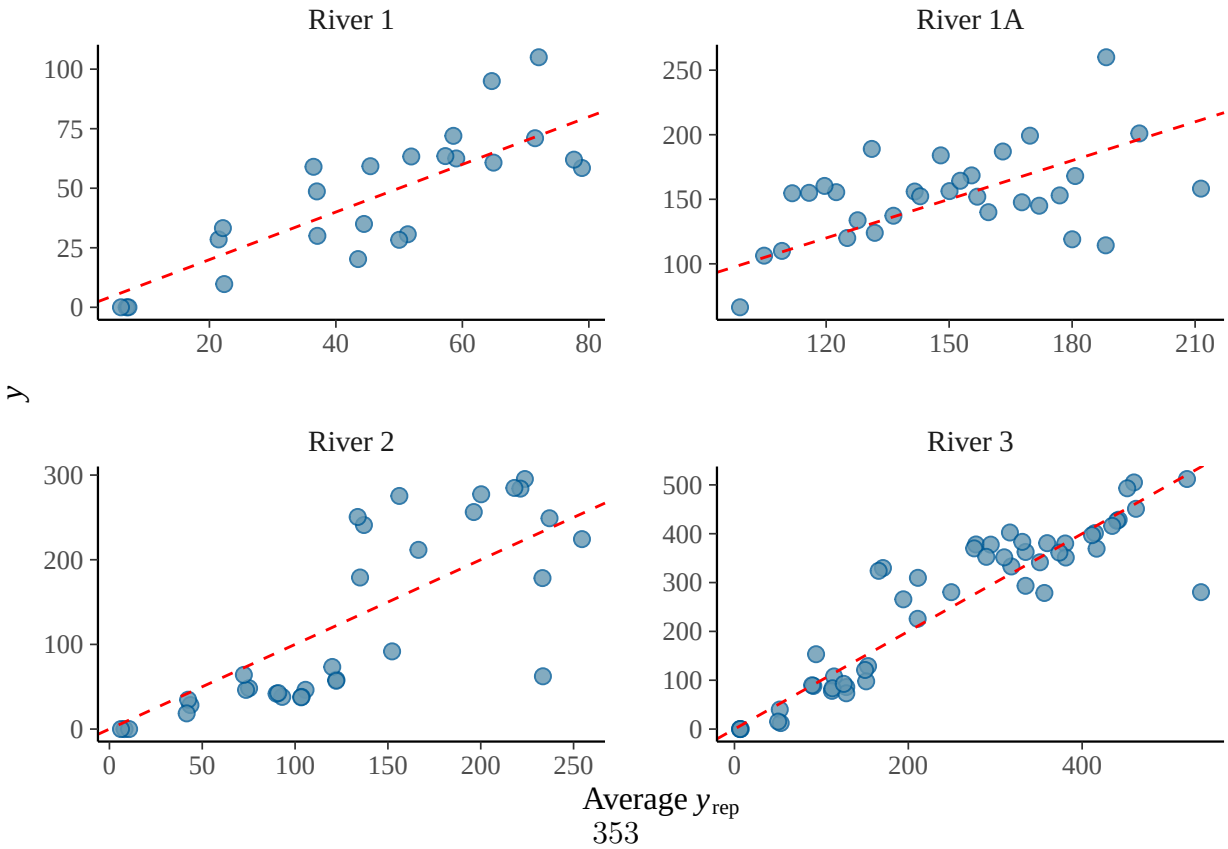
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.00	1.00
sd_set__year	1.01	1.01
sd_set:horizon__Intercept	1.02	1.02
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.00	1.01
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.01
r_set[Interior.1,Intercept]	1.01	1.01
r_set[Interior.2,Intercept]	1.01	1.01
r_set[Interior.3,Intercept]	1.00	1.01
r_set[Interior.1,year]	1.00	1.00
r_set[Interior.2,year]	1.00	1.00
r_set[Interior.3,year]	1.00	1.00
r_set:horizon[Interior.1_A,Intercept]	1.00	1.00
r_set:horizon[Interior.1_B,Intercept]	1.01	1.01
r_set:horizon[Interior.1_C,Intercept]	1.02	1.02
r_set:horizon[Interior.2_A,Intercept]	1.01	1.01
r_set:horizon[Interior.2_B,Intercept]	1.01	1.01

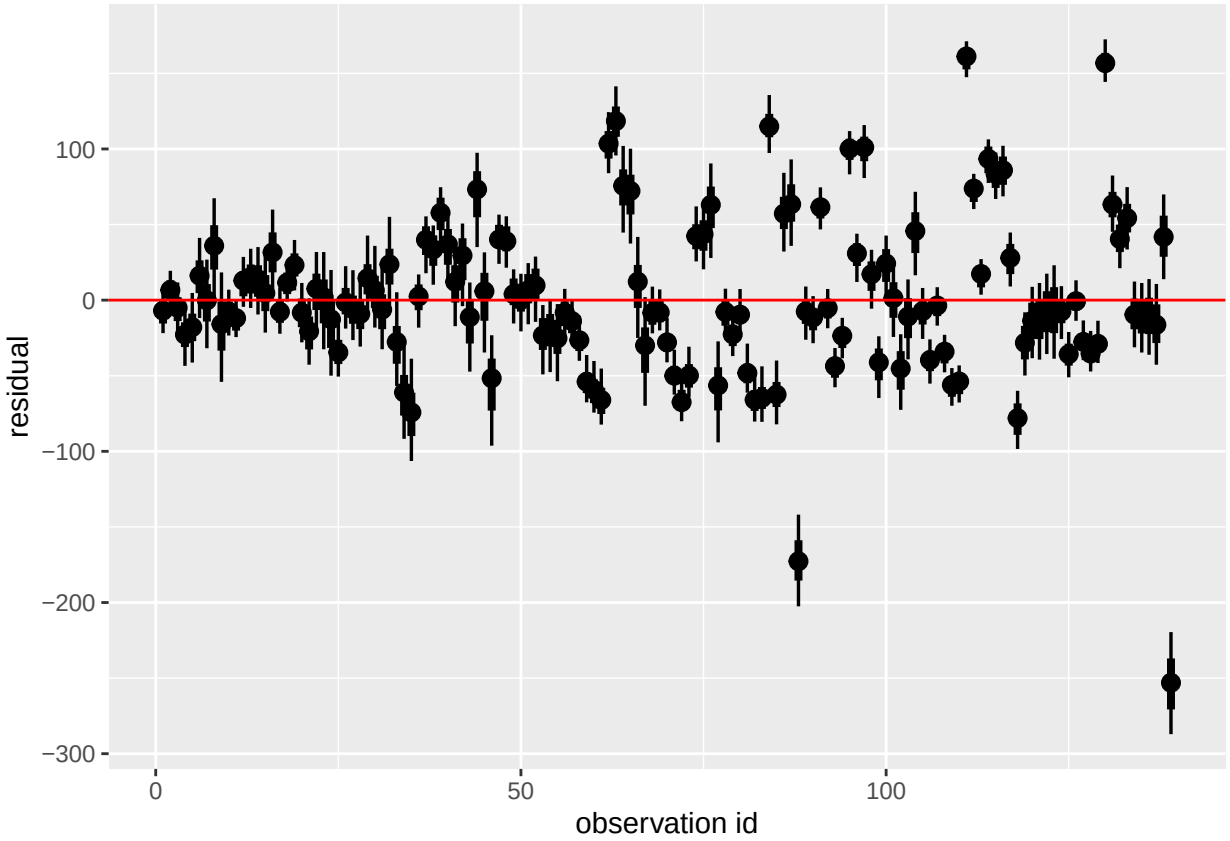
	Point est.	Upper C.I.
r_set:horizon[Interior.2_C,Intercept]	1.02	1.03
r_set:horizon[Interior.3_A,Intercept]	1.00	1.00
r_set:horizon[Interior.3_B,Intercept]	1.01	1.02
r_set:horizon[Interior.3_C,Intercept]	1.00	1.00
r_set:horizon[Interior.1_A,year]	1.00	1.00
r_set:horizon[Interior.1_B,year]	1.00	1.00
r_set:horizon[Interior.1_C,year]	1.00	1.00
r_set:horizon[Interior.2_A,year]	1.00	1.00
r_set:horizon[Interior.2_B,year]	1.00	1.00
r_set:horizon[Interior.2_C,year]	1.00	1.00
r_set:horizon[Interior.3_A,year]	1.00	1.00
r_set:horizon[Interior.3_B,year]	1.00	1.00
r_set:horizon[Interior.3_C,year]	1.00	1.00
lp___	1.00	1.01

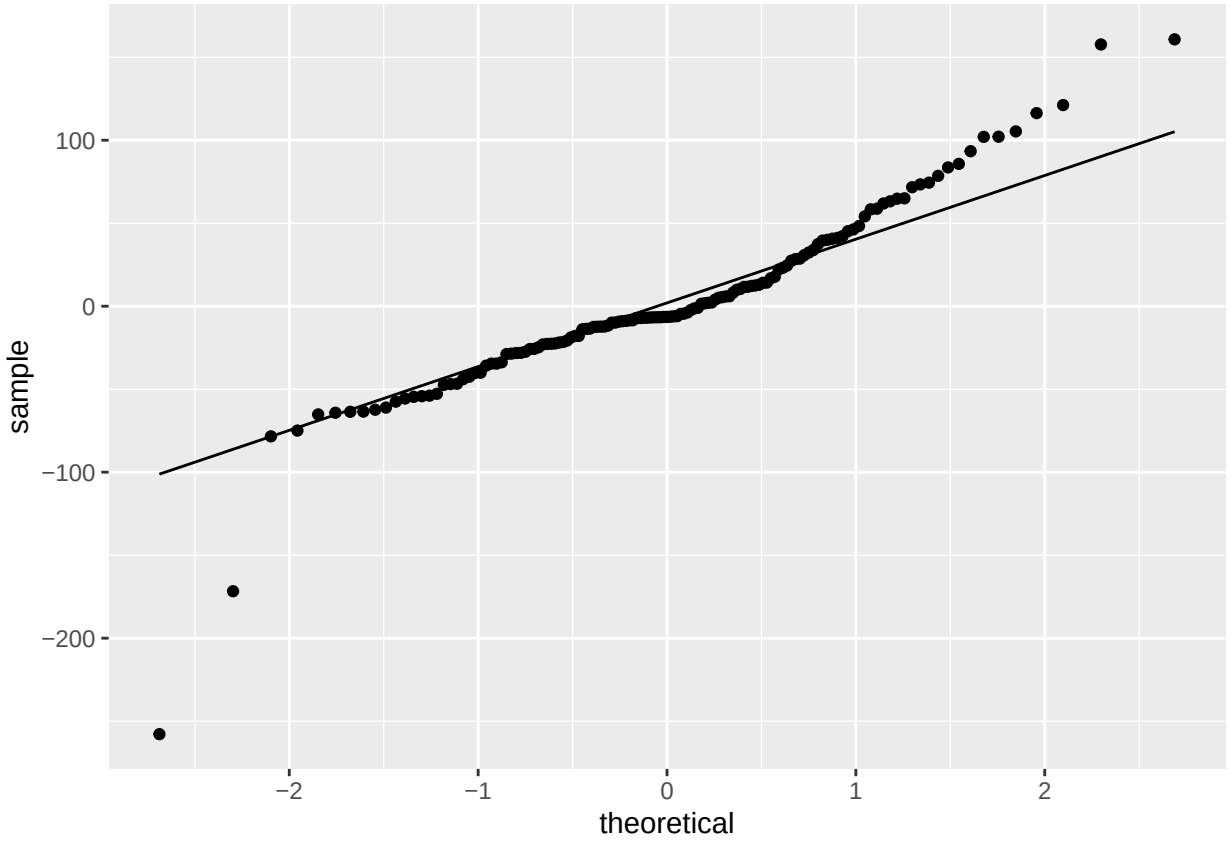
Number of divergences: 0

GWMP: DykeMarshRiver






100
0
−100
−200
−300
residual
0
50
100
observation id

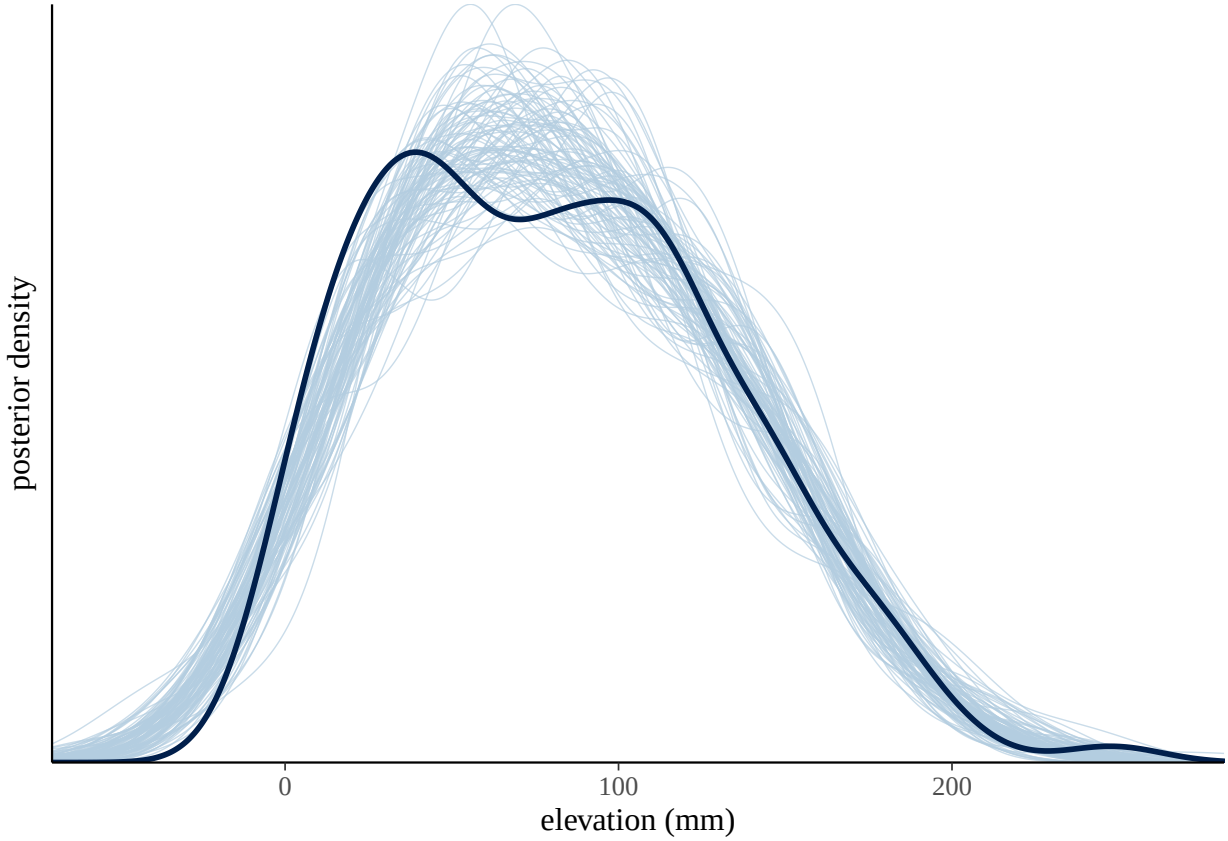


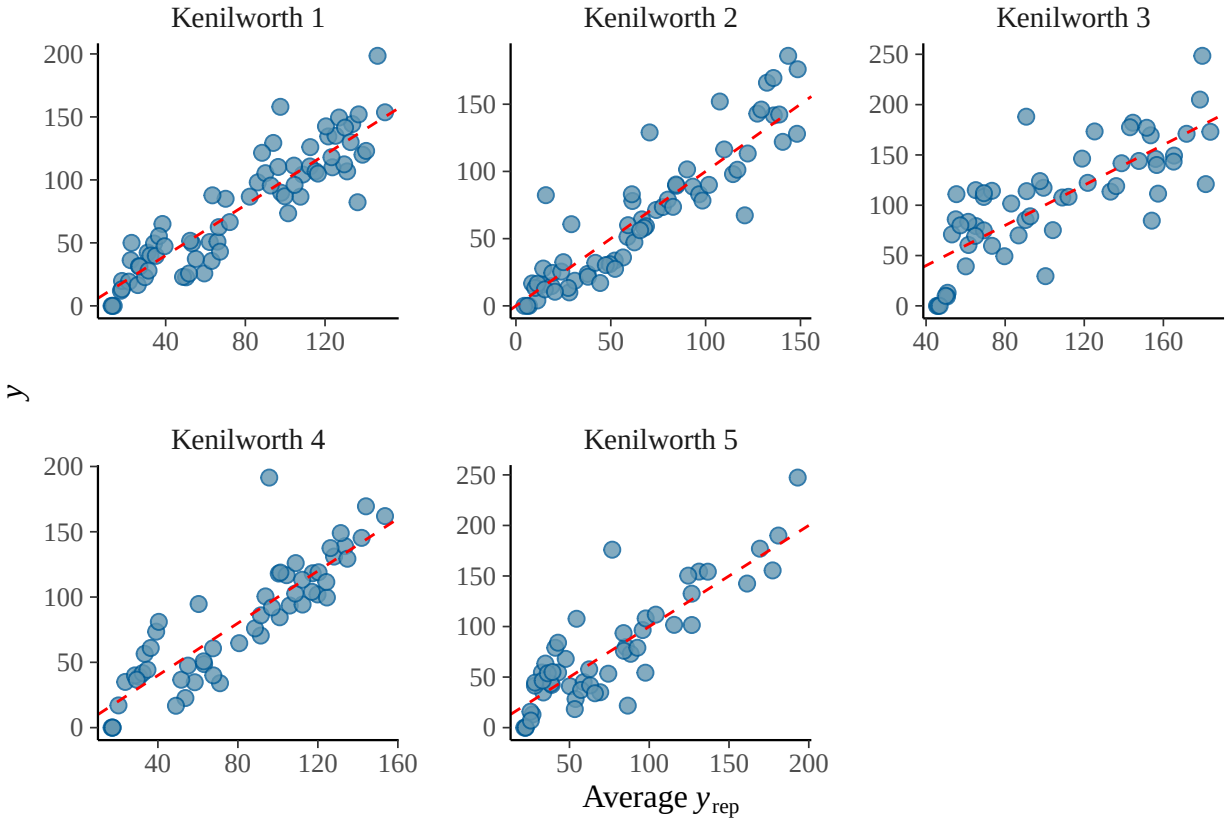
	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set__Intercept	1.03	1.03
sd_set__year	1.00	1.00
sd_set:horizon__Intercept	1.03	1.04
sd_set:horizon__year	1.00	1.00
cor_set__Intercept__year	1.01	1.03
cor_set:horizon__Intercept__year	1.00	1.00
sigma	1.00	1.00
r_set[River.1,Intercept]	1.02	1.02
r_set[River.1A,Intercept]	1.01	1.01
r_set[River.2,Intercept]	1.01	1.01
r_set[River.3,Intercept]	1.02	1.02
r_set[River.1,year]	1.00	1.00
r_set[River.1A,year]	1.00	1.00
r_set[River.2,year]	1.00	1.00
r_set[River.3,year]	1.00	1.00
r_set:horizon[River.1_A,Intercept]	1.01	1.02
r_set:horizon[River.1_B,Intercept]	1.00	1.01
r_set:horizon[River.1_C,Intercept]	1.00	1.00

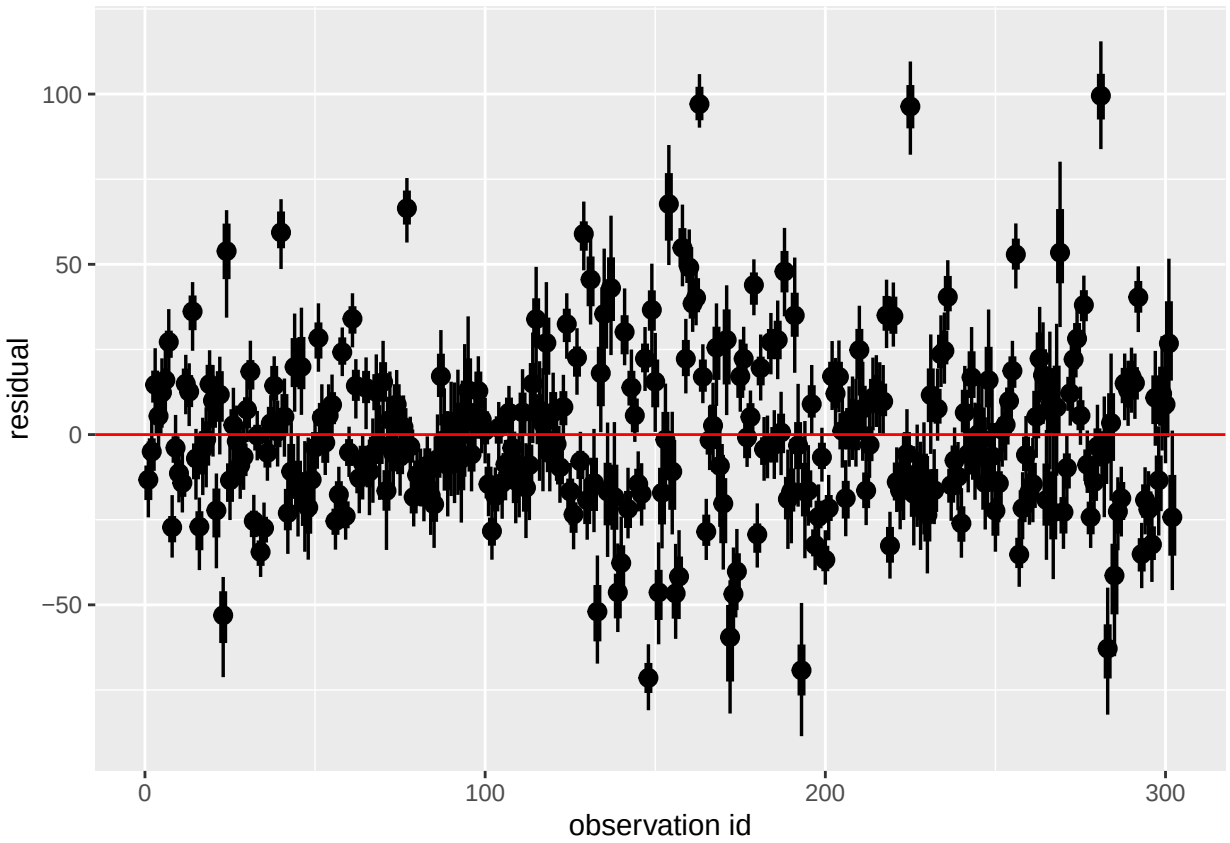
	Point est.	Upper C.I.
r_set:horizon[River.1A_A,Intercept]	1.00	1.00
r_set:horizon[River.1A_B,Intercept]	1.05	1.05
r_set:horizon[River.1A_C,Intercept]	1.05	1.05
r_set:horizon[River.2_A,Intercept]	1.00	1.00
r_set:horizon[River.2_B,Intercept]	1.00	1.00
r_set:horizon[River.2_C,Intercept]	1.01	1.01
r_set:horizon[River.3_A,Intercept]	1.00	1.00
r_set:horizon[River.3_B,Intercept]	1.02	1.02
r_set:horizon[River.3_C,Intercept]	1.01	1.01
r_set:horizon[River.1_A,year]	1.00	1.00
r_set:horizon[River.1_B,year]	1.00	1.01
r_set:horizon[River.1_C,year]	1.00	1.00
r_set:horizon[River.1A_A,year]	1.00	1.01
r_set:horizon[River.1A_B,year]	1.01	1.01
r_set:horizon[River.1A_C,year]	1.00	1.01
r_set:horizon[River.2_A,year]	1.00	1.00
r_set:horizon[River.2_B,year]	1.00	1.01
r_set:horizon[River.2_C,year]	1.00	1.00
r_set:horizon[River.3_A,year]	1.00	1.00
r_set:horizon[River.3_B,year]	1.00	1.00
r_set:horizon[River.3_C,year]	1.01	1.01
lp___	1.00	1.01

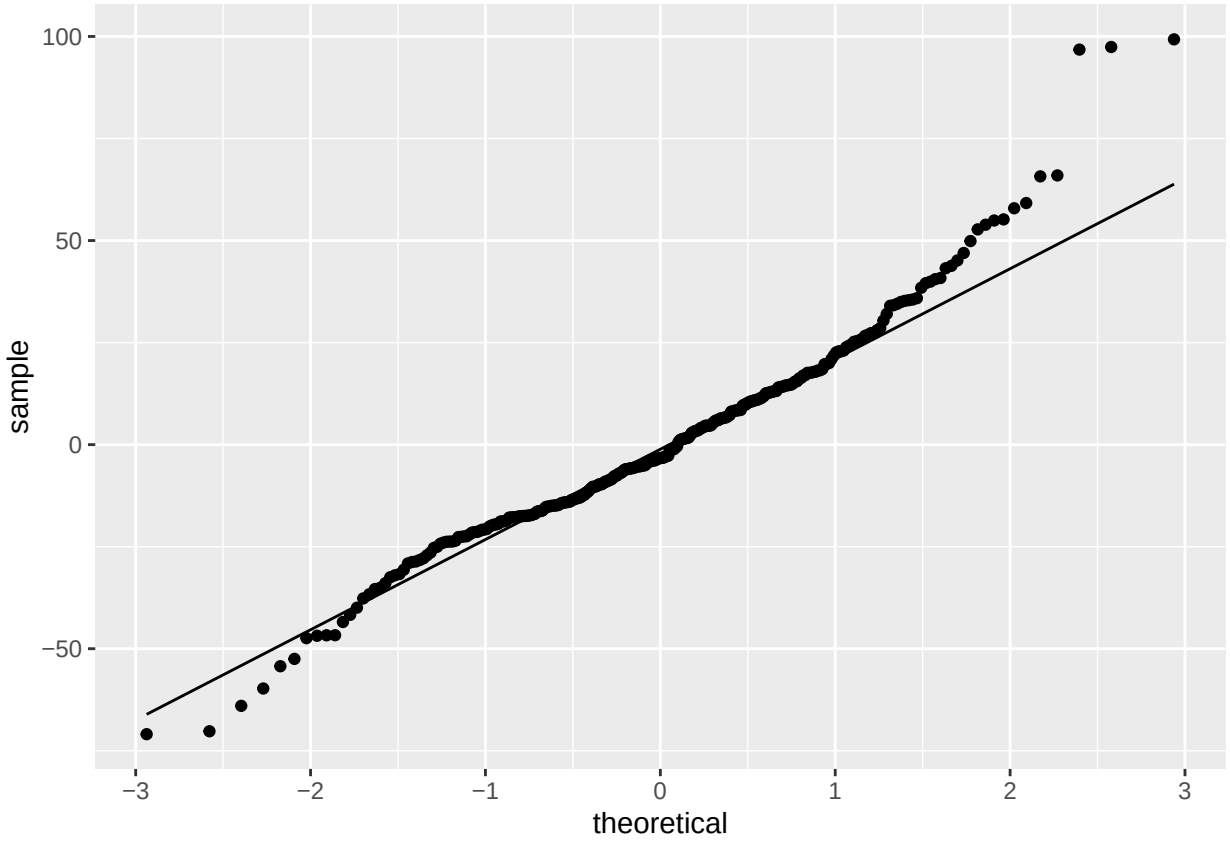
Number of divergences: 0

NACE: KenilworthMarsh






100
50
0
−50
residual
0
100
200
300
observation id

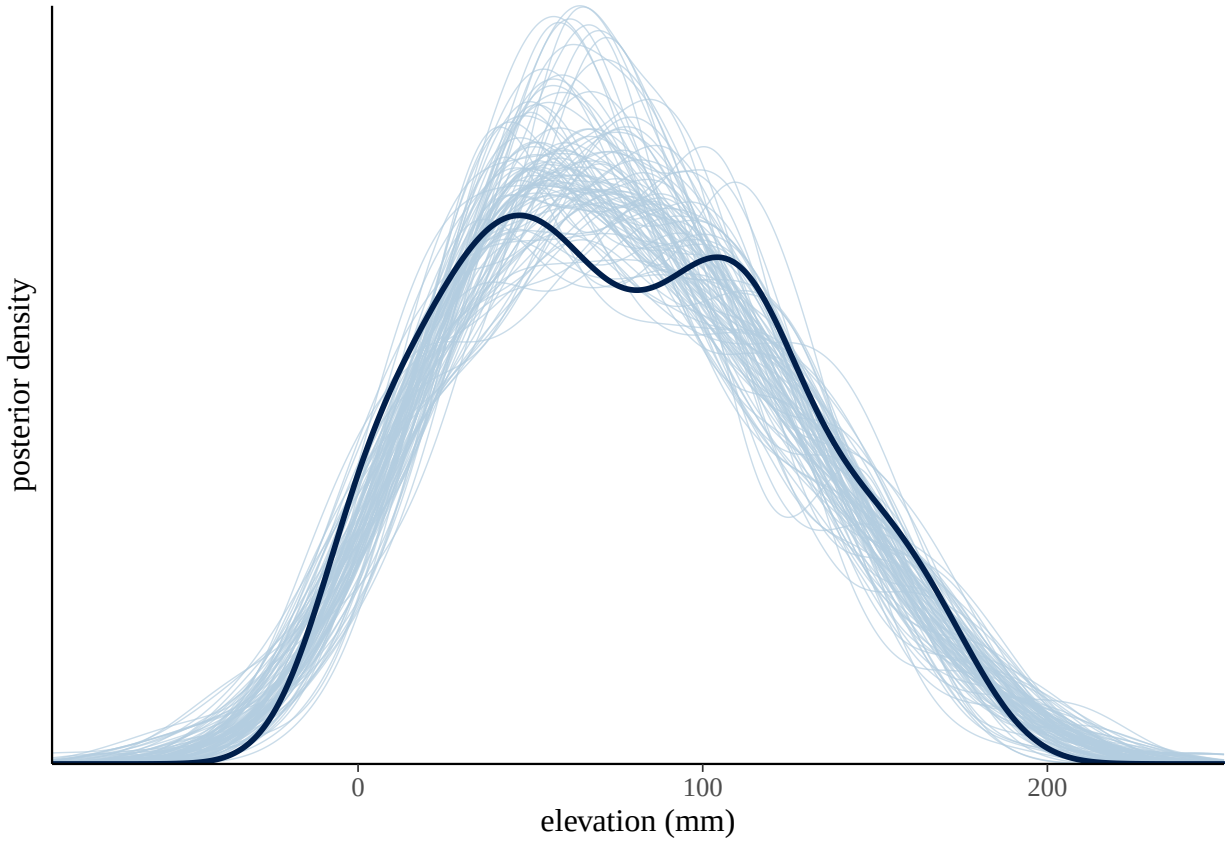


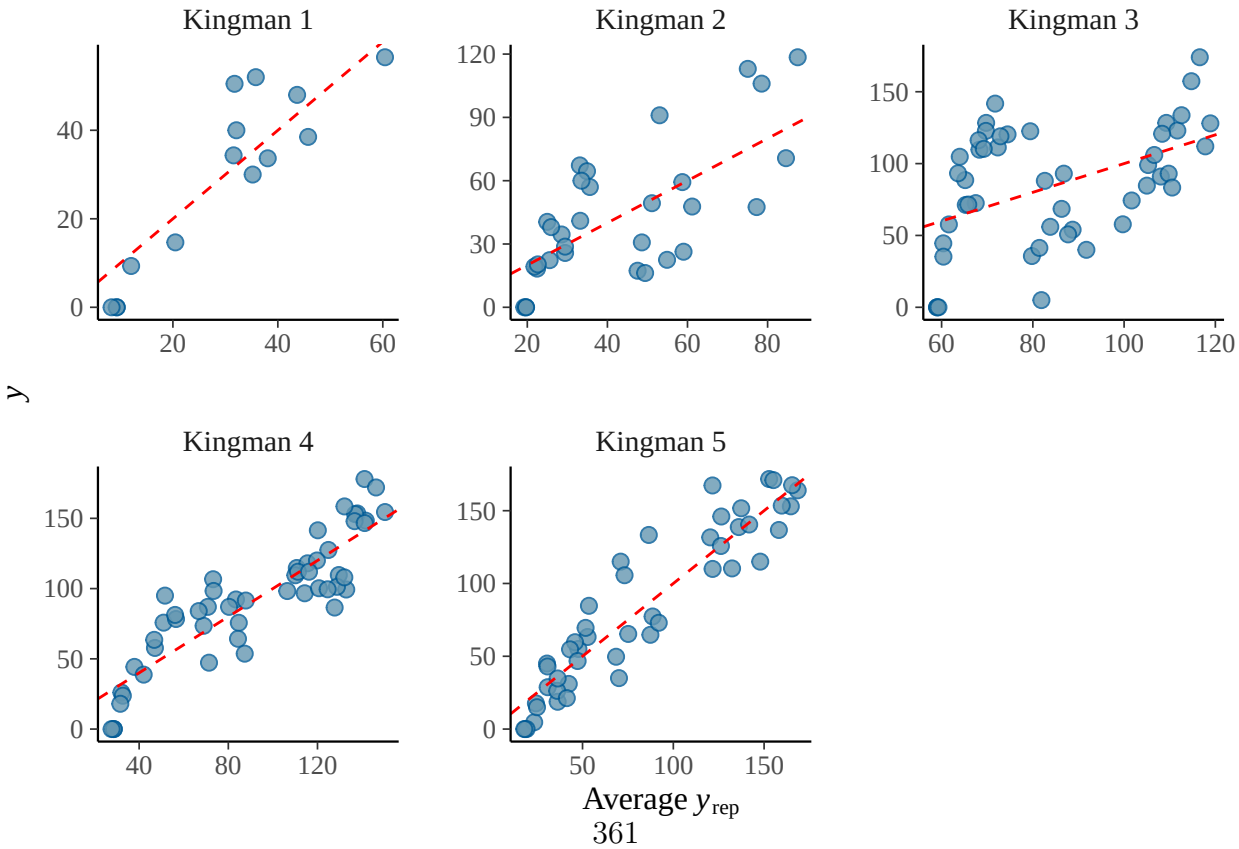
	Point est.	Upper C.I.
b_Intercept	1.01	1.02
b_year	1.01	1.02
sd_set__Intercept	1.01	1.03
sd_set__year	1.01	1.02
sd_set:horizon__Intercept	1.01	1.01
sd_set:horizon__year	1.00	1.01
cor_set__Intercept__year	1.00	1.00
cor_set:horizon__Intercept__year	1.00	1.01
sigma	1.00	1.00
r_set[Kenilworth.1,Intercept]	1.01	1.02
r_set[Kenilworth.2,Intercept]	1.01	1.02
r_set[Kenilworth.3,Intercept]	1.01	1.02
r_set[Kenilworth.4,Intercept]	1.01	1.02
r_set[Kenilworth.5,Intercept]	1.01	1.02
r_set[Kenilworth.1,year]	1.00	1.02
r_set[Kenilworth.2,year]	1.00	1.02
r_set[Kenilworth.3,year]	1.01	1.02
r_set[Kenilworth.4,year]	1.01	1.02
r_set[Kenilworth.5,year]	1.00	1.02
r_set:horizon[Kenilworth.1_A,Intercept]	1.01	1.02

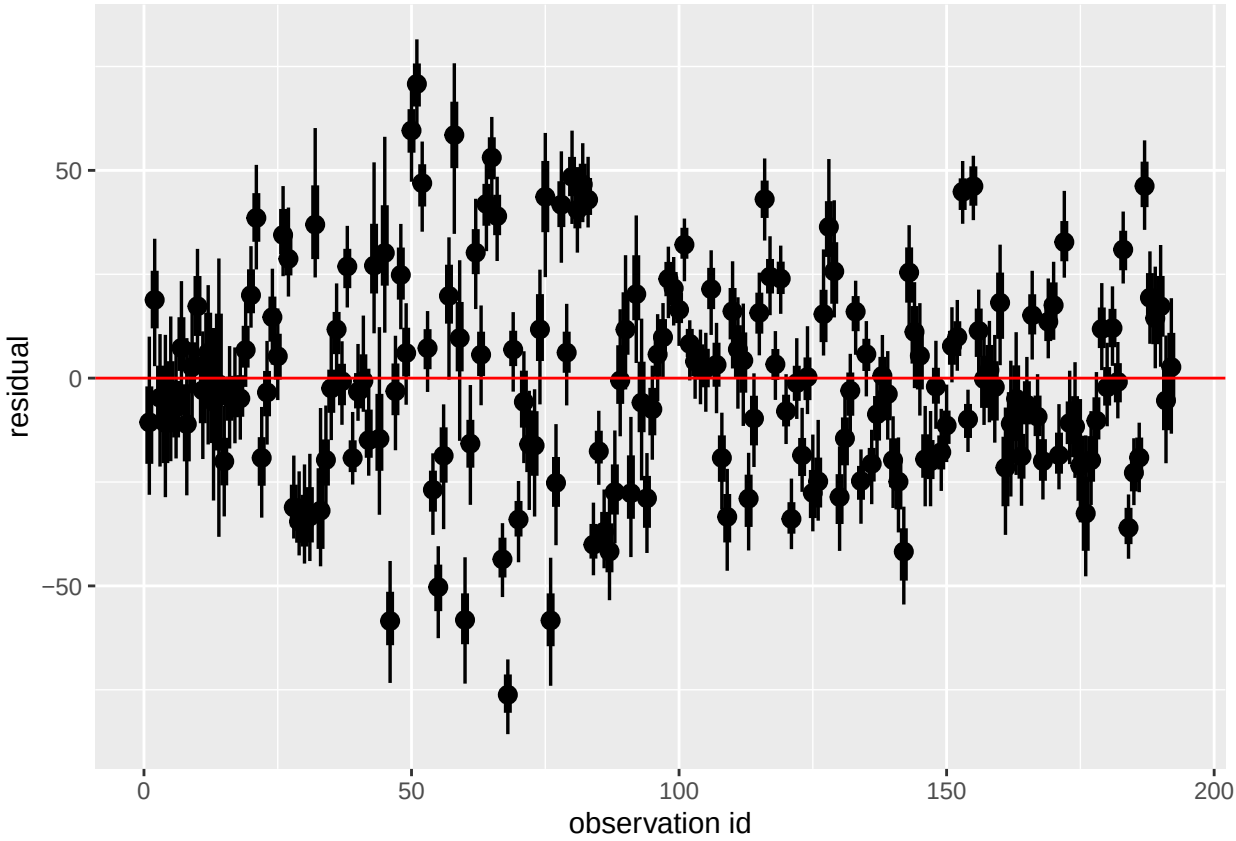
	Point est.	Upper C.I.
r_set:horizon[Kenilworth.1_B,Intercept]	1.00	1.01
r_set:horizon[Kenilworth.1_C,Intercept]	1.00	1.00
r_set:horizon[Kenilworth.2_A,Intercept]	1.01	1.02
r_set:horizon[Kenilworth.2_B,Intercept]	1.01	1.02
r_set:horizon[Kenilworth.2_C,Intercept]	1.00	1.00
r_set:horizon[Kenilworth.3_A,Intercept]	1.01	1.01
r_set:horizon[Kenilworth.3_B,Intercept]	1.04	1.04
r_set:horizon[Kenilworth.3_C,Intercept]	1.01	1.01
r_set:horizon[Kenilworth.4_A,Intercept]	1.01	1.01
r_set:horizon[Kenilworth.4_B,Intercept]	1.00	1.00
r_set:horizon[Kenilworth.4_C,Intercept]	1.01	1.02
r_set:horizon[Kenilworth.5_A,Intercept]	1.01	1.01
r_set:horizon[Kenilworth.5_B,Intercept]	1.01	1.01
r_set:horizon[Kenilworth.5_C,Intercept]	1.00	1.00
r_set:horizon[Kenilworth.1_A,year]	1.00	1.00
r_set:horizon[Kenilworth.1_B,year]	1.00	1.00
r_set:horizon[Kenilworth.1_C,year]	1.00	1.00
r_set:horizon[Kenilworth.2_A,year]	1.00	1.00
r_set:horizon[Kenilworth.2_B,year]	1.00	1.00
r_set:horizon[Kenilworth.2_C,year]	1.00	1.00
r_set:horizon[Kenilworth.3_A,year]	1.00	1.01
r_set:horizon[Kenilworth.3_B,year]	1.00	1.00
r_set:horizon[Kenilworth.3_C,year]	1.00	1.00
r_set:horizon[Kenilworth.4_A,year]	1.00	1.00
r_set:horizon[Kenilworth.4_B,year]	1.00	1.00
r_set:horizon[Kenilworth.4_C,year]	1.00	1.00
r_set:horizon[Kenilworth.5_A,year]	1.00	1.00
r_set:horizon[Kenilworth.5_B,year]	1.00	1.00
r_set:horizon[Kenilworth.5_C,year]	1.00	1.00
lp___	1.00	1.00

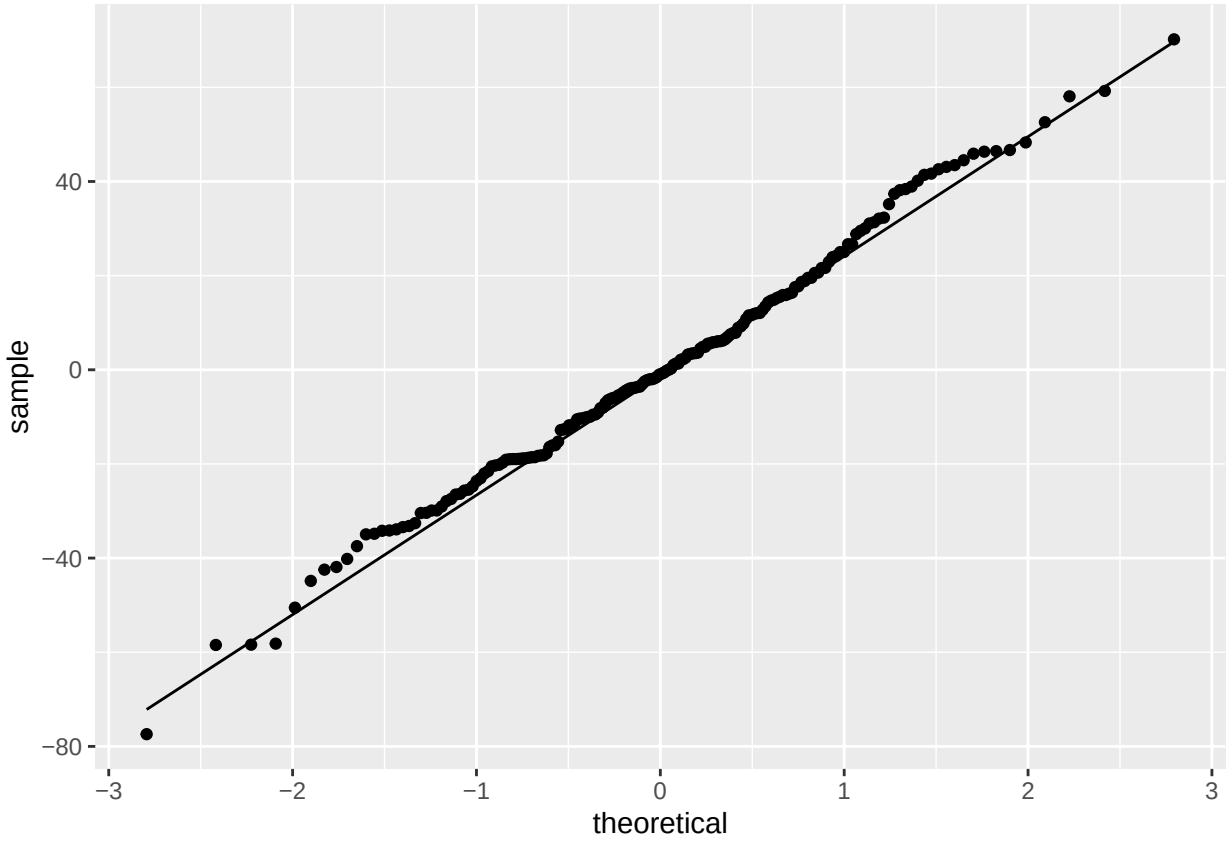
Number of divergences: 0

NACE: KingmanLake






residual
50
0
−50
0
50
100
150
200
observation id



	Point est.	Upper C.I.
b_Intercept	1.00	1.00
b_year	1.00	1.00
sd_set___Intercept	1.00	1.00
sd_set___year	1.01	1.02
sd_set:horizon___Intercept	1.01	1.02
sd_set:horizon___year	1.00	1.00
cor_set___Intercept___year	1.00	1.01
cor_set:horizon___Intercept___year	1.00	1.00
sigma	1.00	1.00
r_set[Kingman.1,Intercept]	1.00	1.00
r_set[Kingman.2,Intercept]	1.00	1.00
r_set[Kingman.3,Intercept]	1.00	1.00
r_set[Kingman.4,Intercept]	1.00	1.00
r_set[Kingman.5,Intercept]	1.00	1.00
r_set[Kingman.1,year]	1.00	1.01
r_set[Kingman.2,year]	1.00	1.00
r_set[Kingman.3,year]	1.00	1.00
r_set[Kingman.4,year]	1.00	1.00
r_set[Kingman.5,year]	1.00	1.01
r_set:horizon[Kingman.1_A,Intercept]	1.01	1.01

	Point est.	Upper C.I.
r_set:horizon[Kingman.1_B,Intercept]	1.00	1.00
r_set:horizon[Kingman.1_C,Intercept]	1.01	1.01
r_set:horizon[Kingman.2_A,Intercept]	1.00	1.00
r_set:horizon[Kingman.2_B,Intercept]	1.00	1.00
r_set:horizon[Kingman.2_C,Intercept]	1.00	1.00
r_set:horizon[Kingman.3_A,Intercept]	1.02	1.03
r_set:horizon[Kingman.3_B,Intercept]	1.01	1.01
r_set:horizon[Kingman.3_C,Intercept]	1.01	1.01
r_set:horizon[Kingman.4_A,Intercept]	1.02	1.02
r_set:horizon[Kingman.4_B,Intercept]	1.03	1.03
r_set:horizon[Kingman.4_C,Intercept]	1.00	1.01
r_set:horizon[Kingman.5_A,Intercept]	1.02	1.02
r_set:horizon[Kingman.5_B,Intercept]	1.01	1.01
r_set:horizon[Kingman.5_C,Intercept]	1.04	1.04
r_set:horizon[Kingman.1_A,year]	1.01	1.01
r_set:horizon[Kingman.1_B,year]	1.00	1.00
r_set:horizon[Kingman.1_C,year]	1.00	1.00
r_set:horizon[Kingman.2_A,year]	1.00	1.00
r_set:horizon[Kingman.2_B,year]	1.00	1.00
r_set:horizon[Kingman.2_C,year]	1.00	1.00
r_set:horizon[Kingman.3_A,year]	1.00	1.00
r_set:horizon[Kingman.3_B,year]	1.00	1.00
r_set:horizon[Kingman.3_C,year]	1.00	1.00
r_set:horizon[Kingman.4_A,year]	1.00	1.00
r_set:horizon[Kingman.4_B,year]	1.00	1.00
r_set:horizon[Kingman.4_C,year]	1.00	1.00
r_set:horizon[Kingman.5_A,year]	1.00	1.01
r_set:horizon[Kingman.5_B,year]	1.00	1.01
r_set:horizon[Kingman.5_C,year]	1.00	1.01
lp___	1.00	1.01

Number of divergences: 0