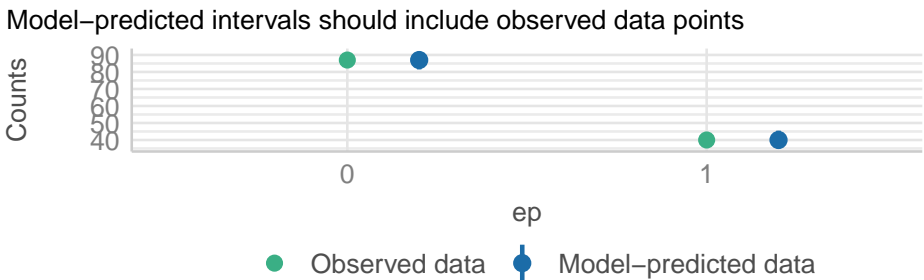


Posterior Predictive Check

Model-predicted intervals should include observed data points

ep	Observed data	Model-predicted data
0	75	78
1	35	38

ep	Observed data	Model-predicted data
0	~180	~190
1	~40	~35



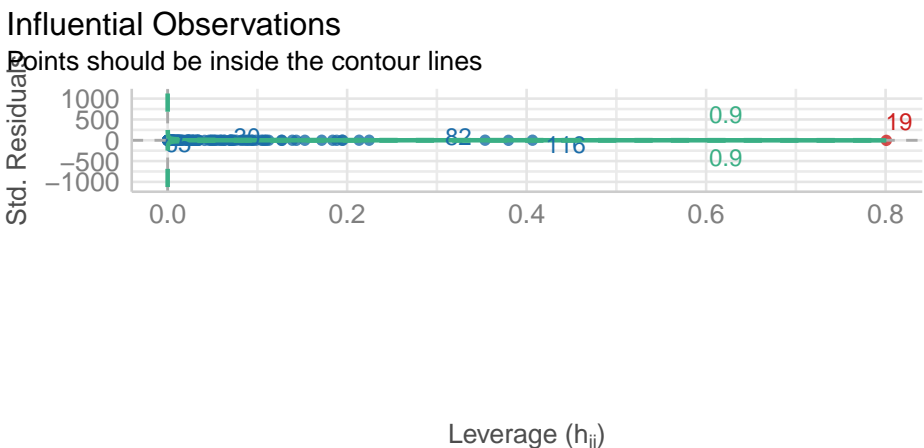
Influential Observations

Points should be inside the contour lines

Std. Residual


Leverage (h_{ii})

Observation	Leverage (h_{ii})	Std. Residual
65	~0.02	~750
26	~0.10	~-100
82	~0.35	~-100
116	~0.42	~-100
19	~0.80	0

[illegible]

Uniformity of Residuals


Points should fall along the line



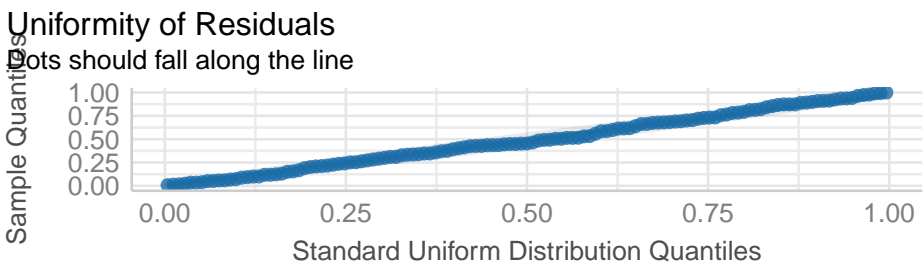
Standard Uniform Distribution Quantiles	Sample Quantiles
0.00	0.00
0.25	0.25
0.50	0.50
0.75	0.75
1.00	1.00

Uniformity of Residuals

Points should fall along the line



Standard Uniform Distribution Quantiles	Sample Quantiles
0.00	0.00
0.25	0.25
0.50	0.50
0.75	0.75
1.00	1.00



Binned Residuals

Points should be within error bounds

Average residual

Estimated Probability of ep

Within error bounds no yes

Estimated Probability of ep	Average residual (no)	Average residual (yes)
0%	-0.1	-
10%	-0.1	-0.1
20%	-0.1	-0.1
40%	-0.1	-0.1
80%	-	0.4
95%	-0.1	-0.1
100%	0.1	-

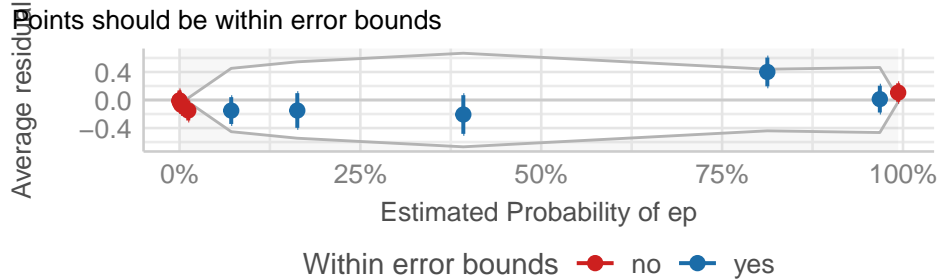
Points should be within error bounds

Average residual

Estimated Probability of ep

Within error bounds no yes

Estimated Probability of ep	no (Average residual)	yes (Average residual)
0%	-0.05	-0.05
10%	-0.05	-0.10
20%	-0.05	-0.10
40%	-0.05	-0.10
80%	0.00	0.35
95%	0.00	-0.05
100%	0.05	0.05



Collinearity

High collinearity (VIF) may inflate parameter uncertainty

Variable	VIF (approx.)
log(dist)	1.8
log(mad_gdppc_2018)	1.2
log(mean_trips)	1.3
log(voters_in_list)	3.8
orthodox_share	1.6
vdem_polyarchy_2022	2.8

Low (< 5)

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