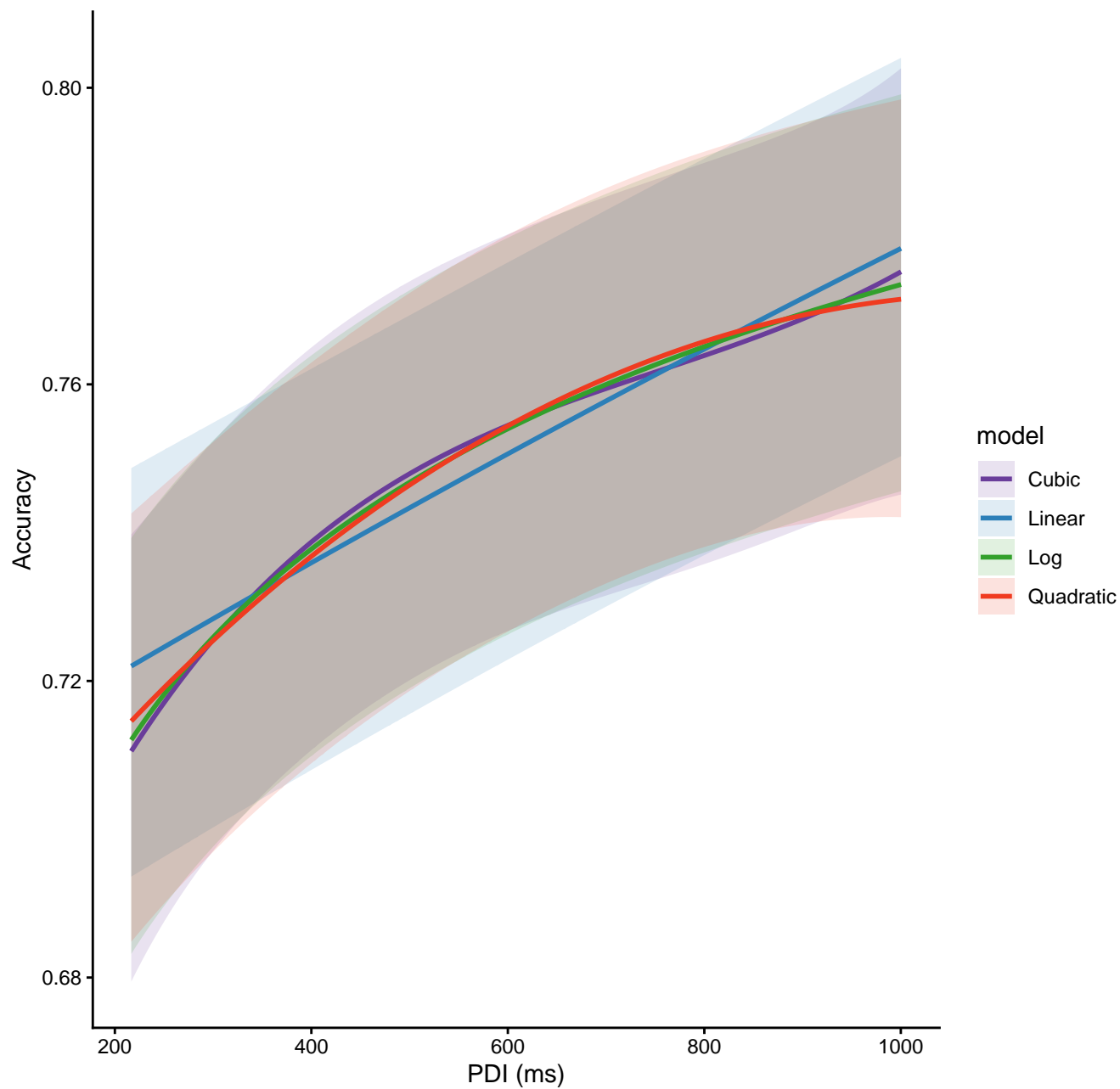
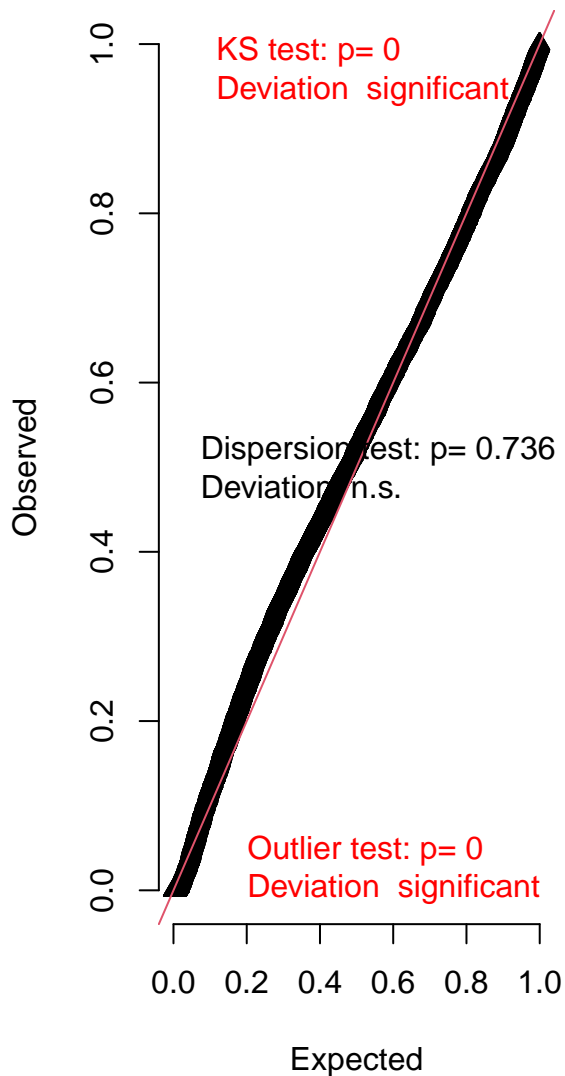


Accuracy vs. PDI: Model fits (population-average with 95% CI)

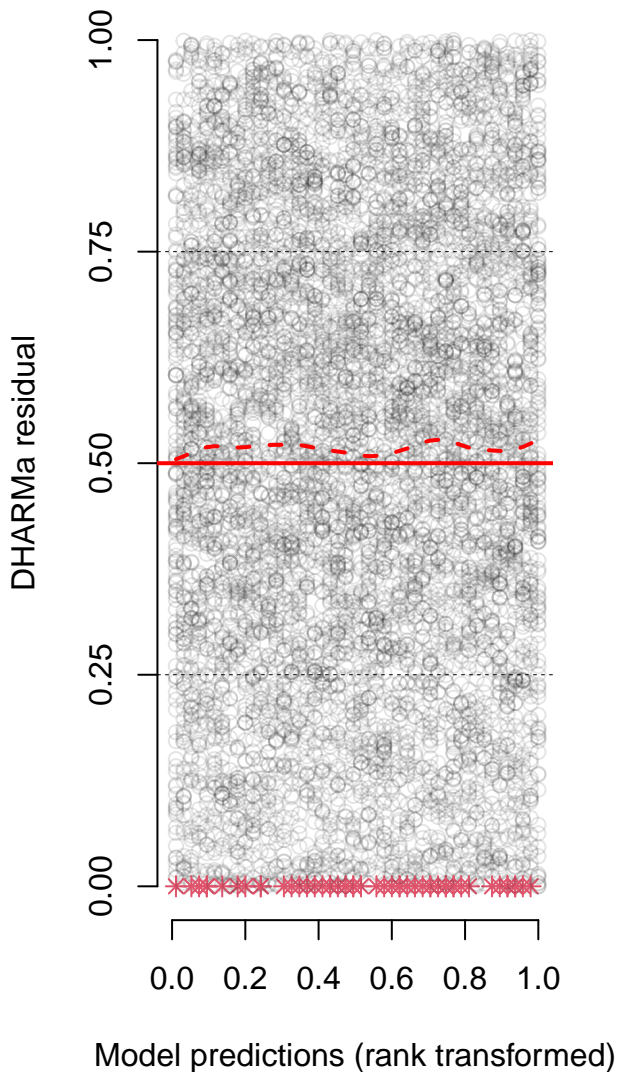


DHARMA residual

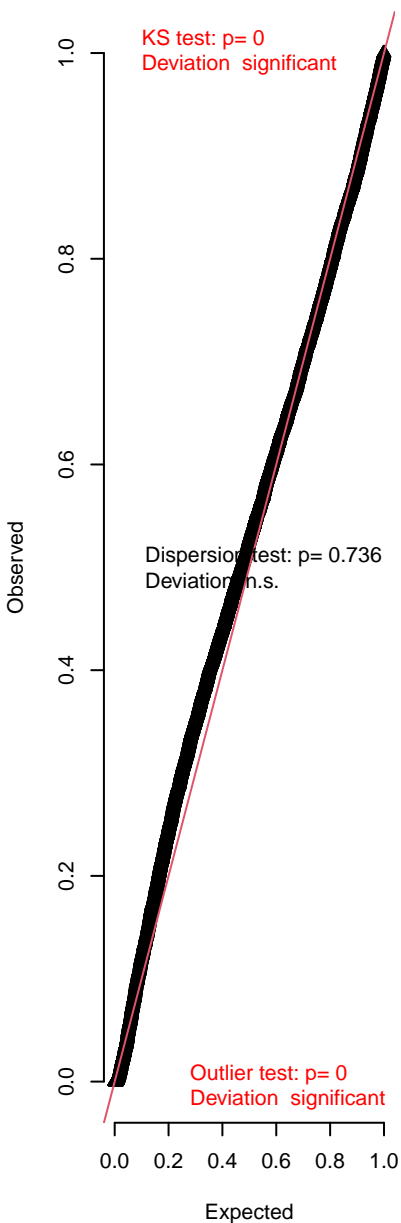
QQ plot residuals



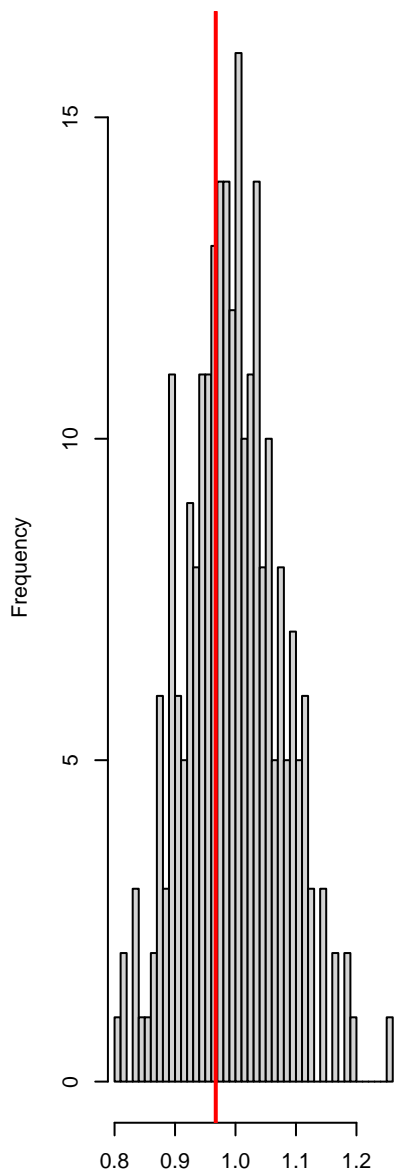
DHARMA residual vs. predicted



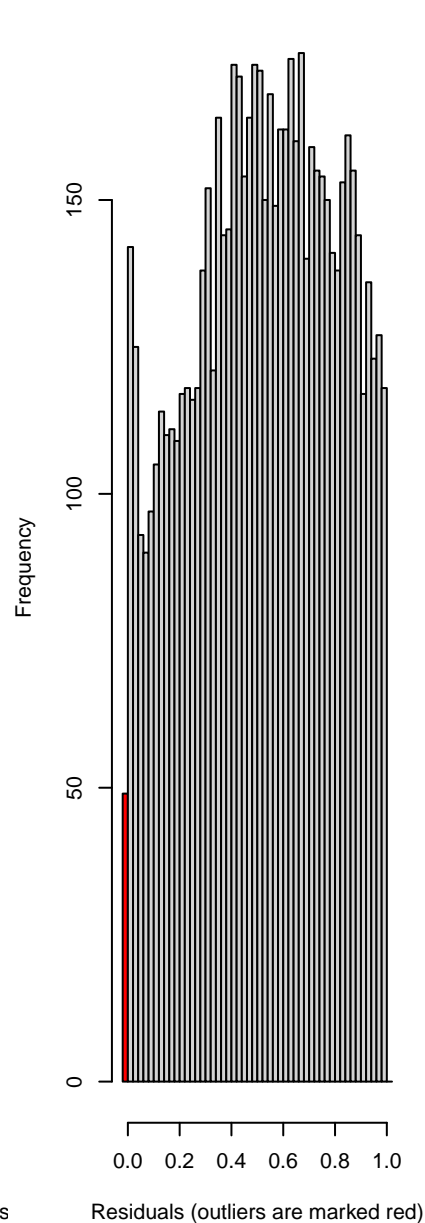
QQ plot residuals



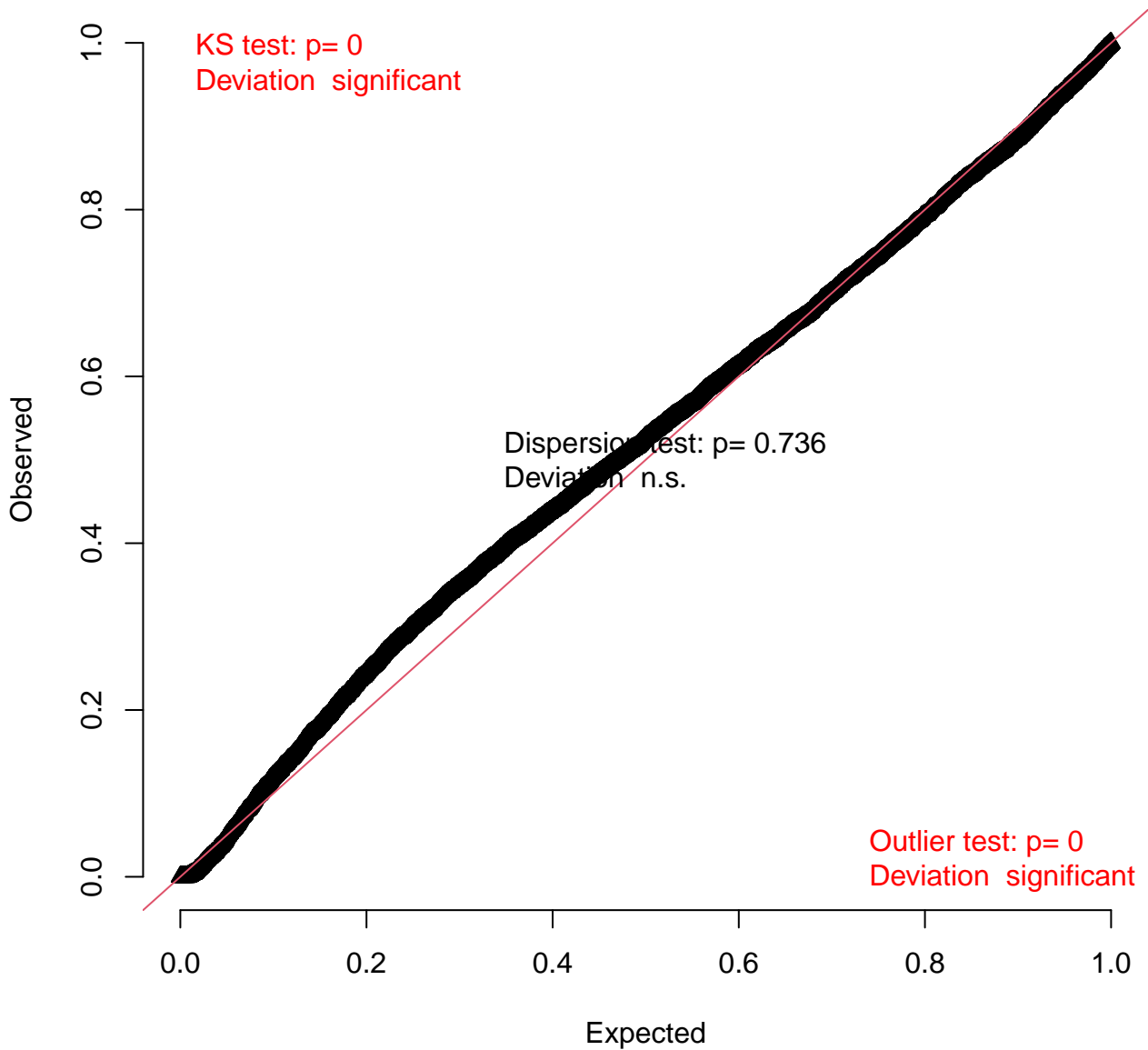
DHARMA nonparametric dispersion test via sd of residuals fitted vs. simulated



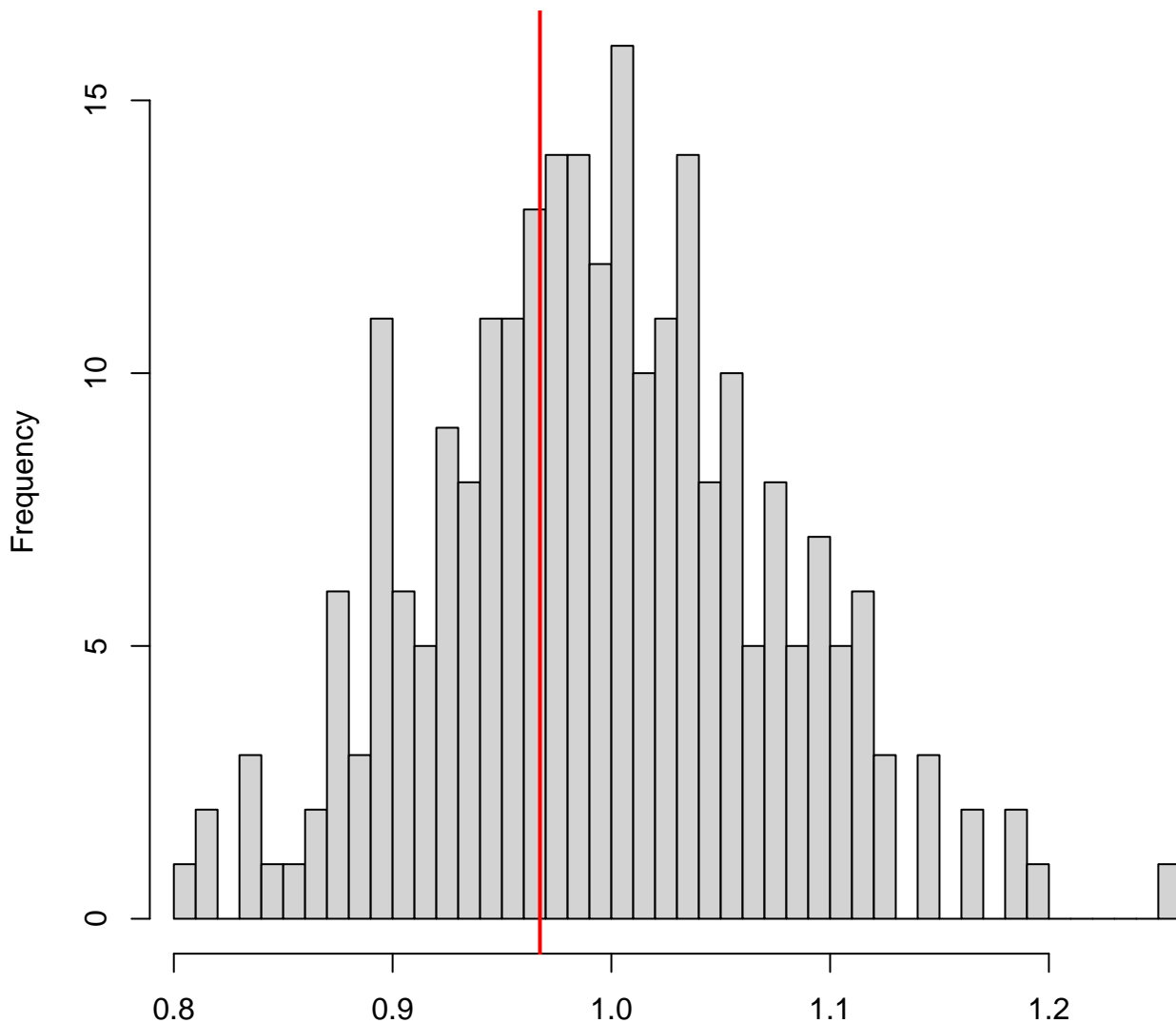
Outlier test significant



QQ plot residuals

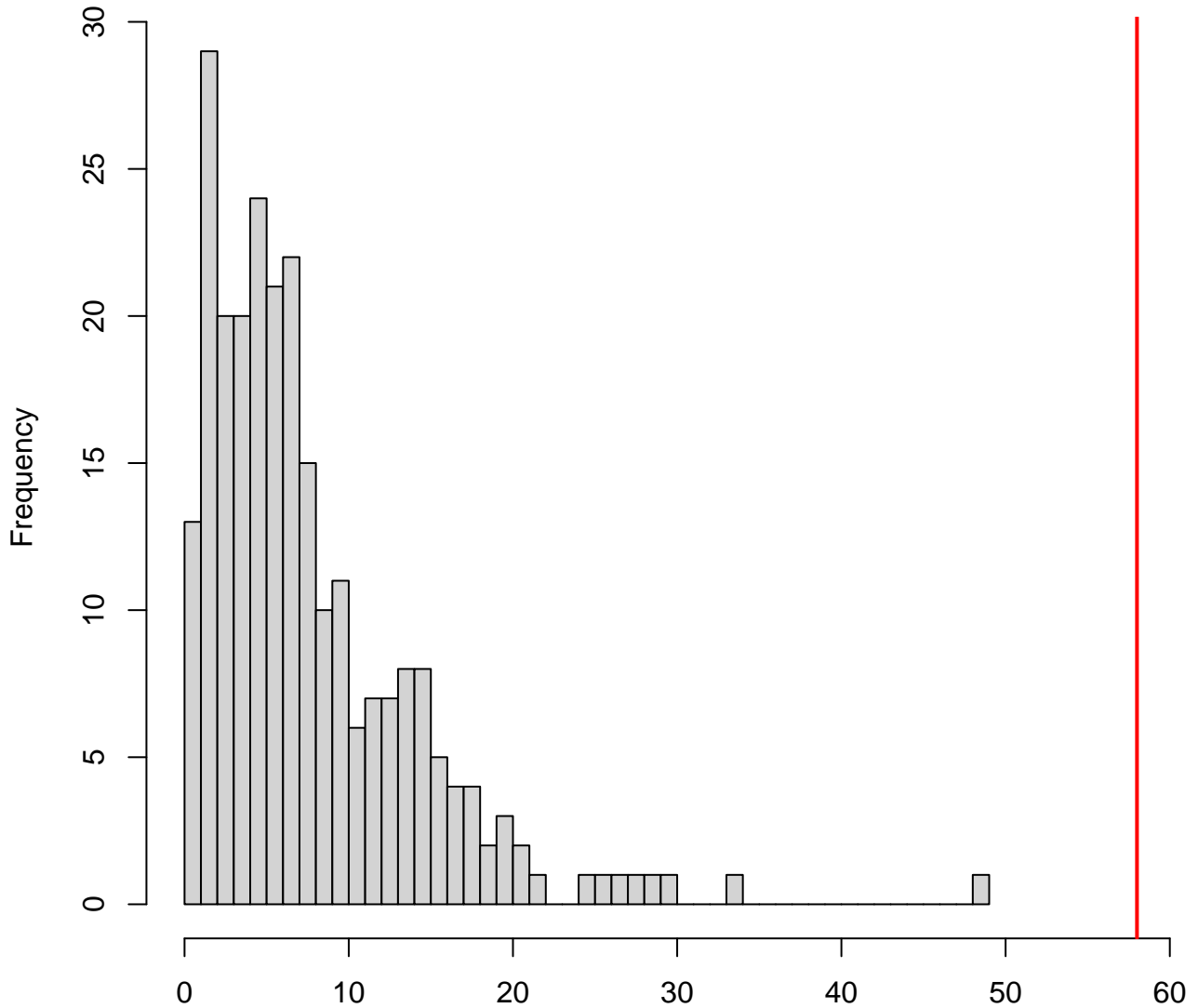


**DHARMA nonparametric dispersion test via sd of
residuals fitted vs. simulated**



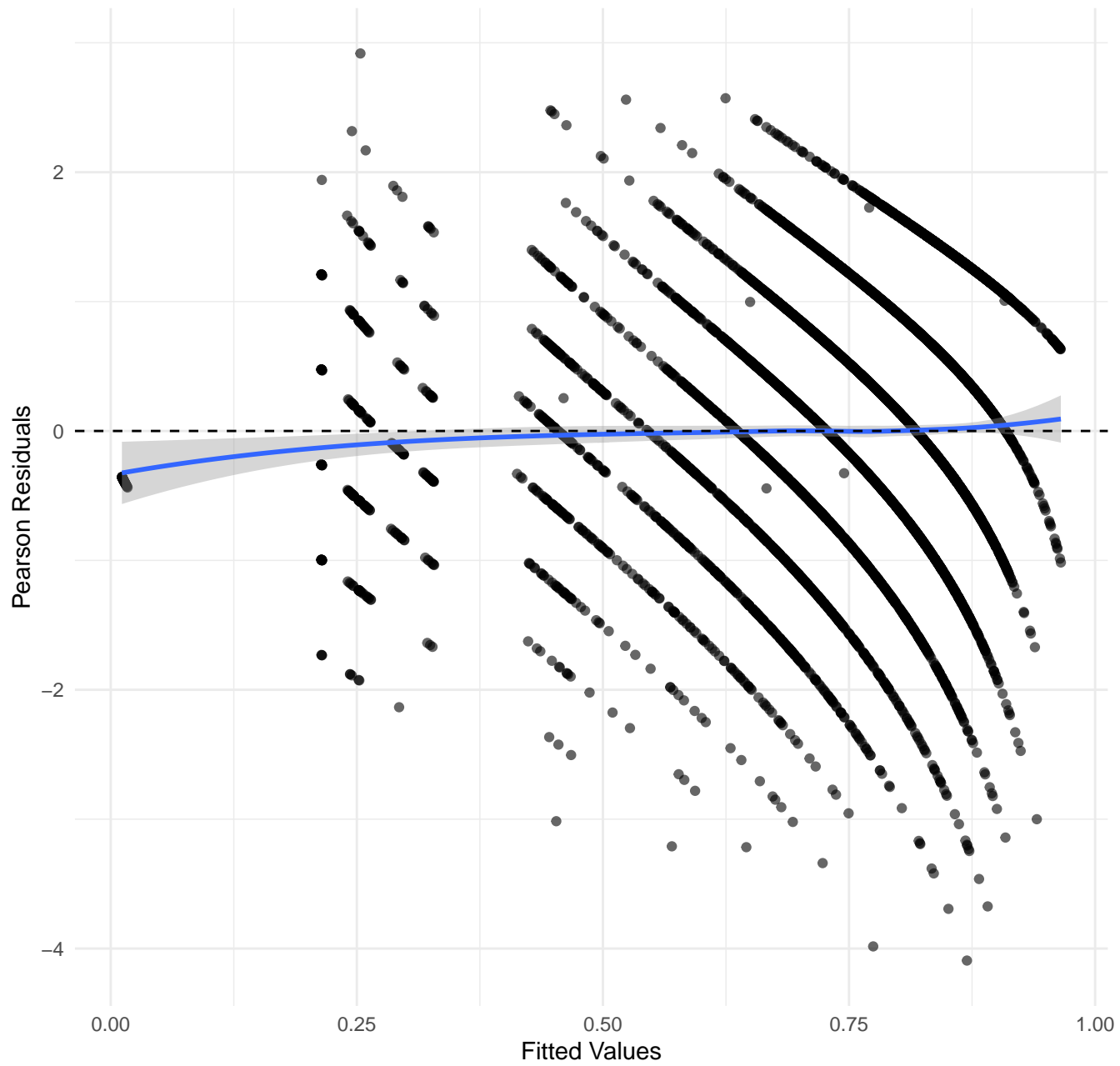
Simulated values, red line = fitted model. p-value (two.sided) = 0.736

**DHARMA zero-inflation test via comparison to
expected zeros with simulation under H_0 = fitted
model**

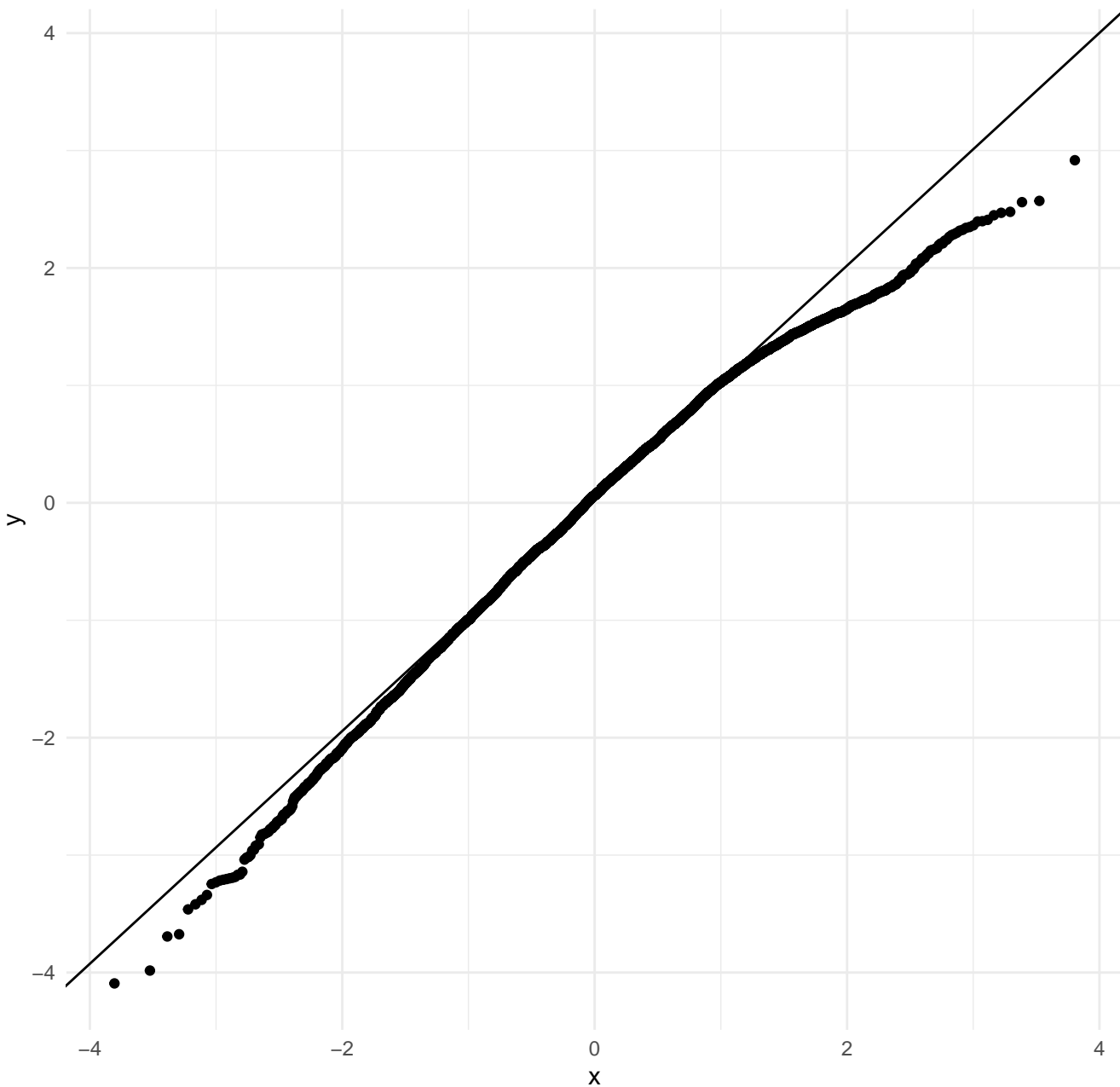


Simulated values, red line = fitted model. p-value (two.sided) = 0

Pearson Residuals vs Fitted Values

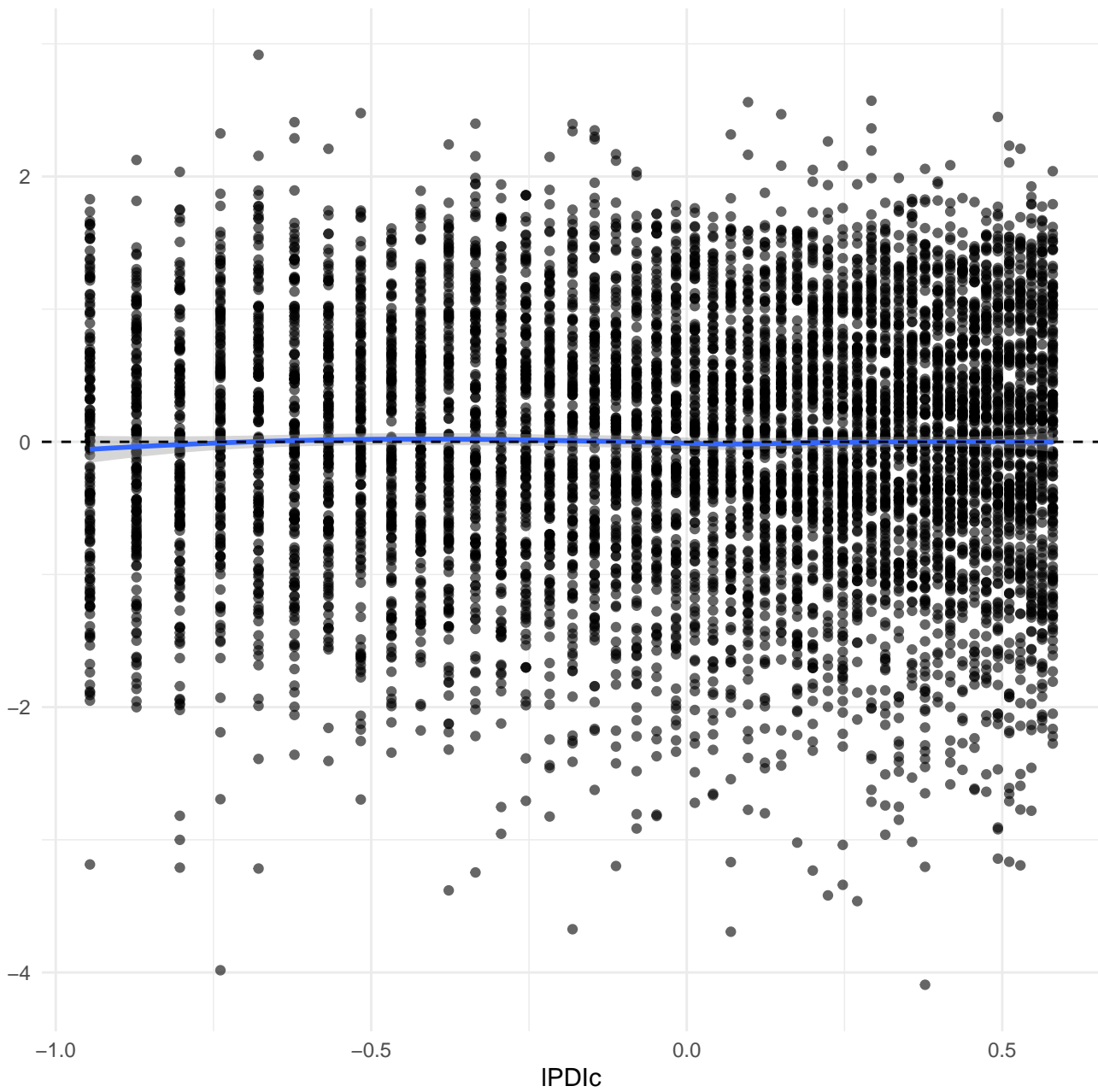


Q-Q Plot of Pearson Residuals



Residuals vs IPDIc

Pearson Residuals



Q–Q Plot: Random Intercepts

y

x

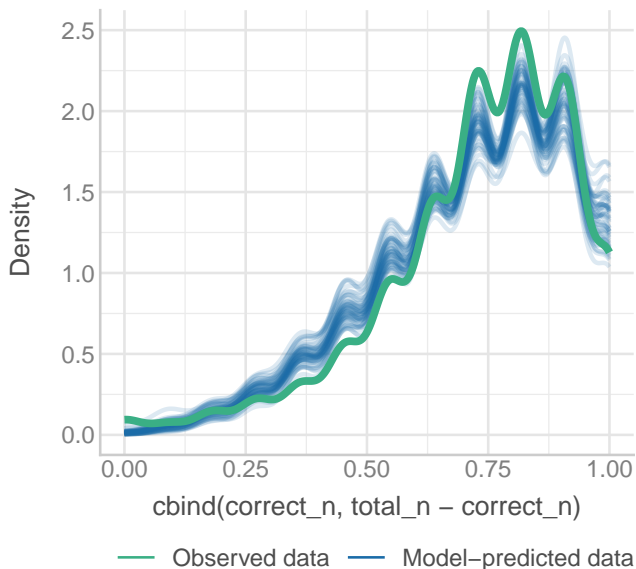
Q–Q Plot: Random Intercepts

y

x

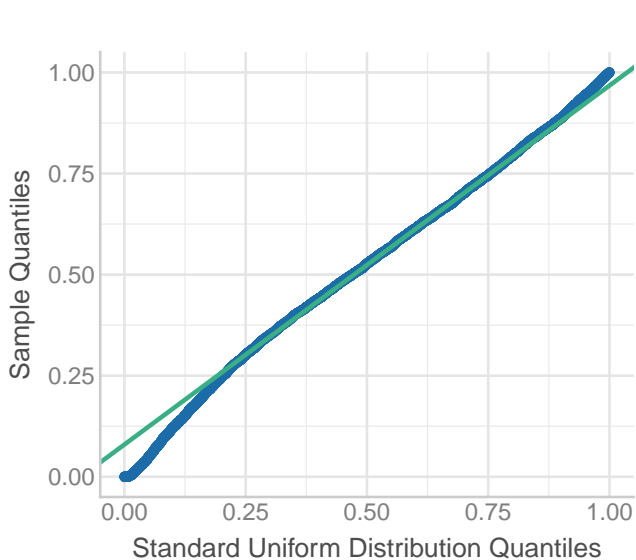
Posterior Predictive Check

Model-predicted lines should resemble observed data



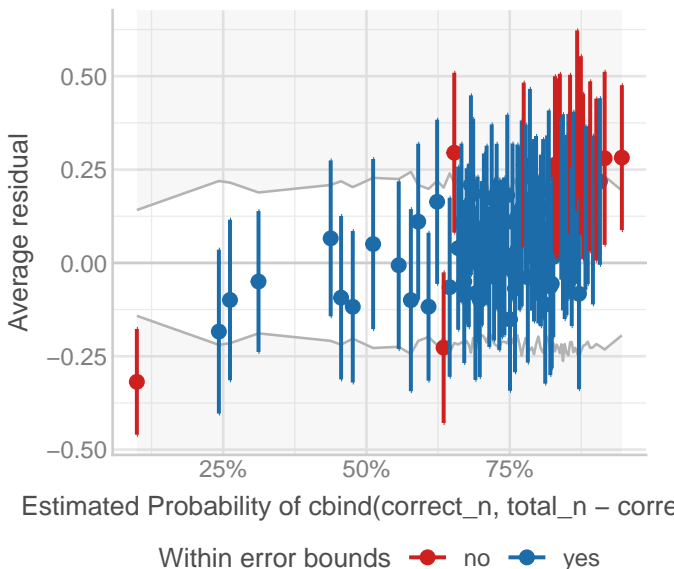
Uniformity of Residuals

Dots should fall along the line



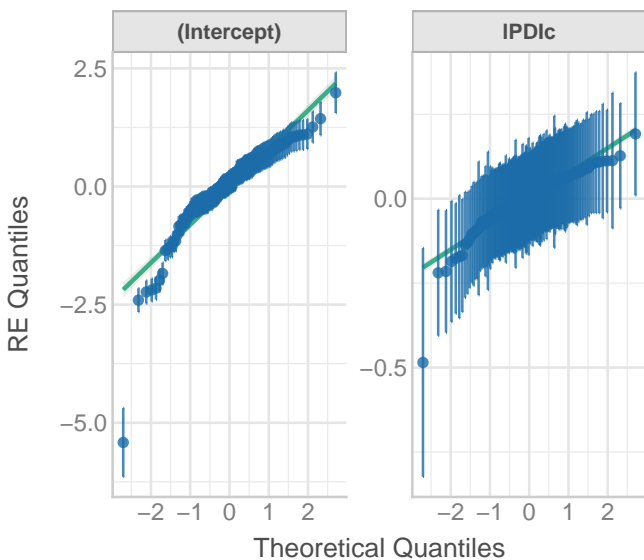
Binned Residuals

Points should be within error bounds

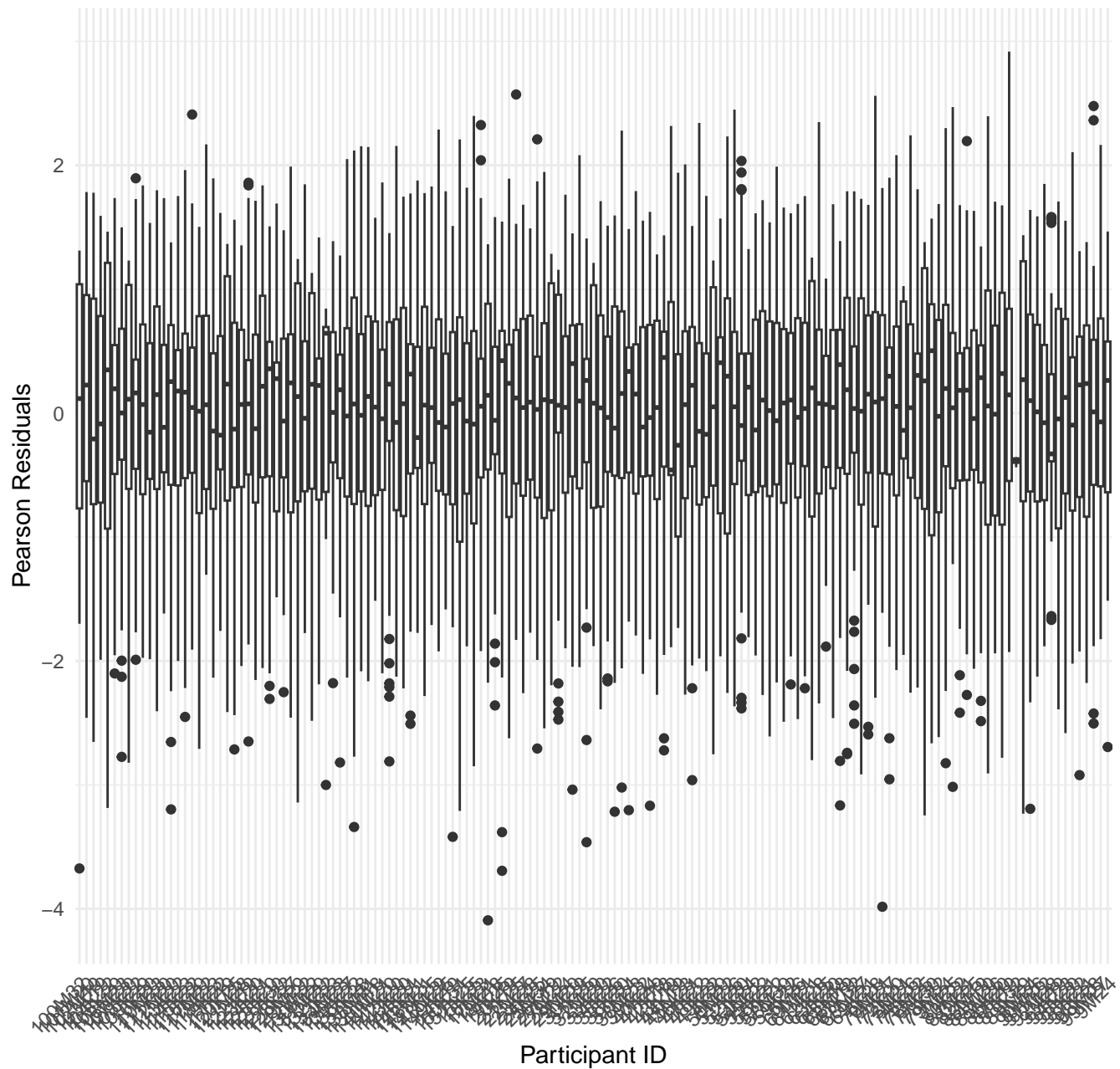


Normality of Random Effects (PART_ID)

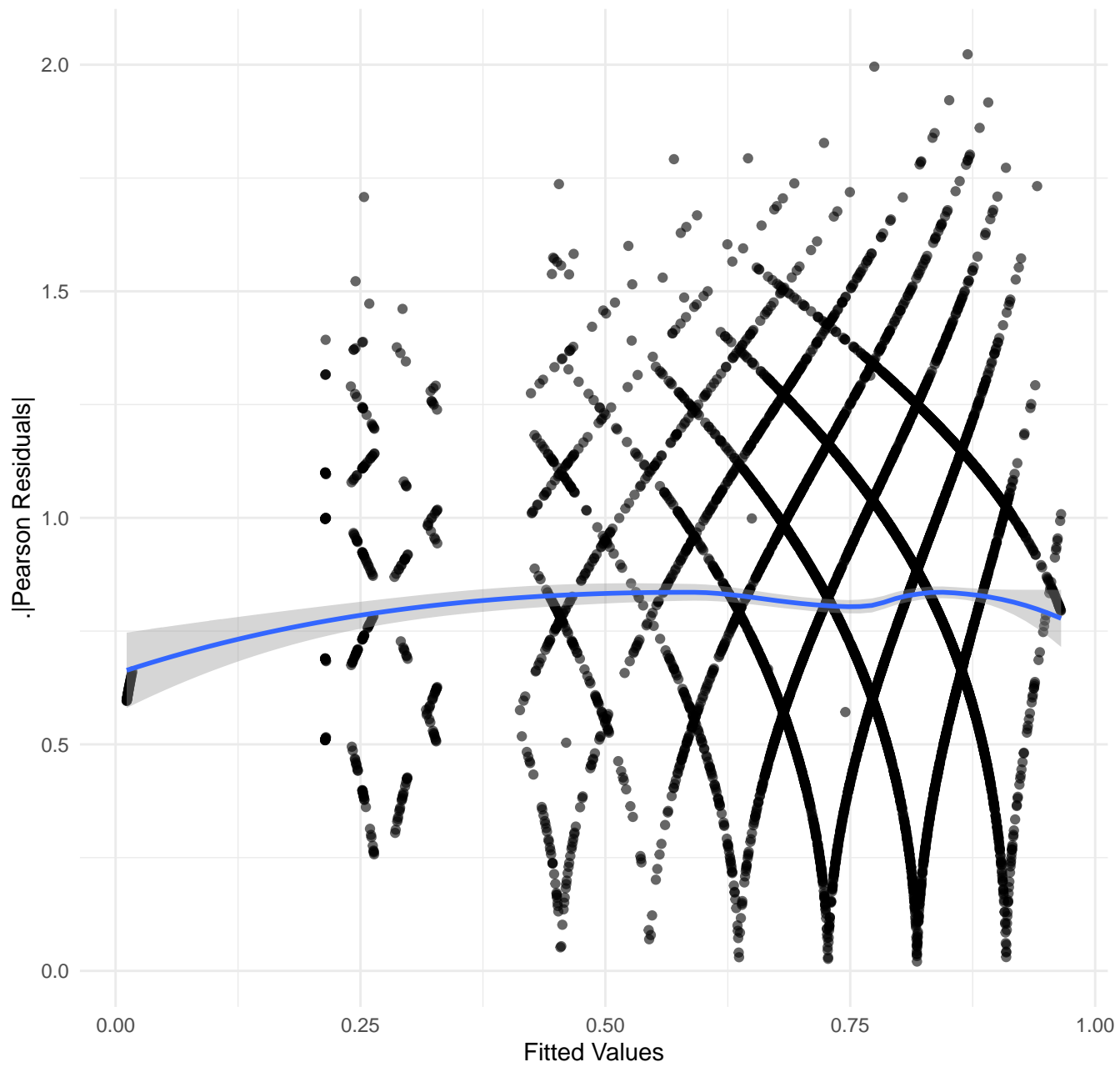
Dots should be plotted along the line



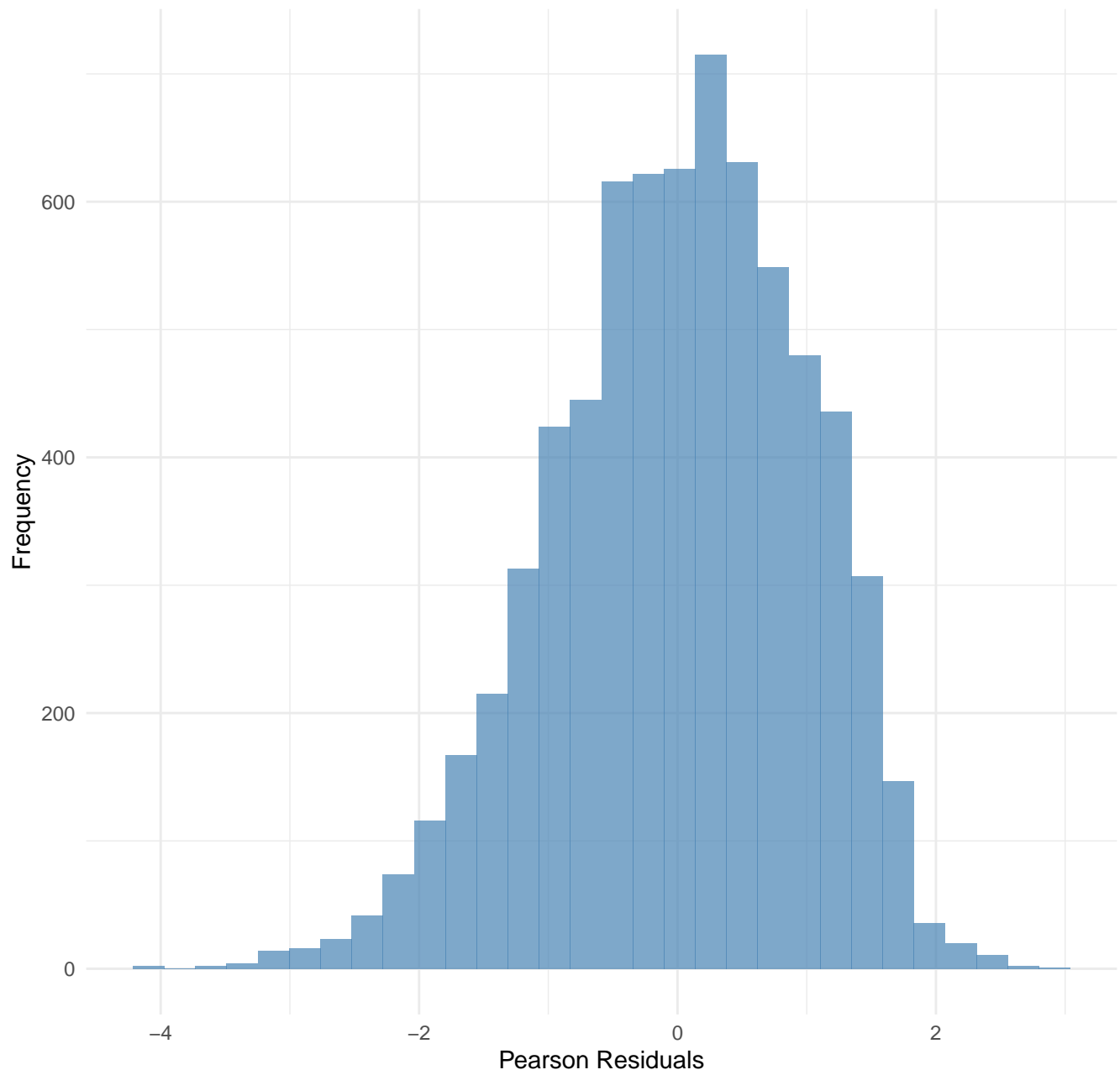
Residuals by Participant



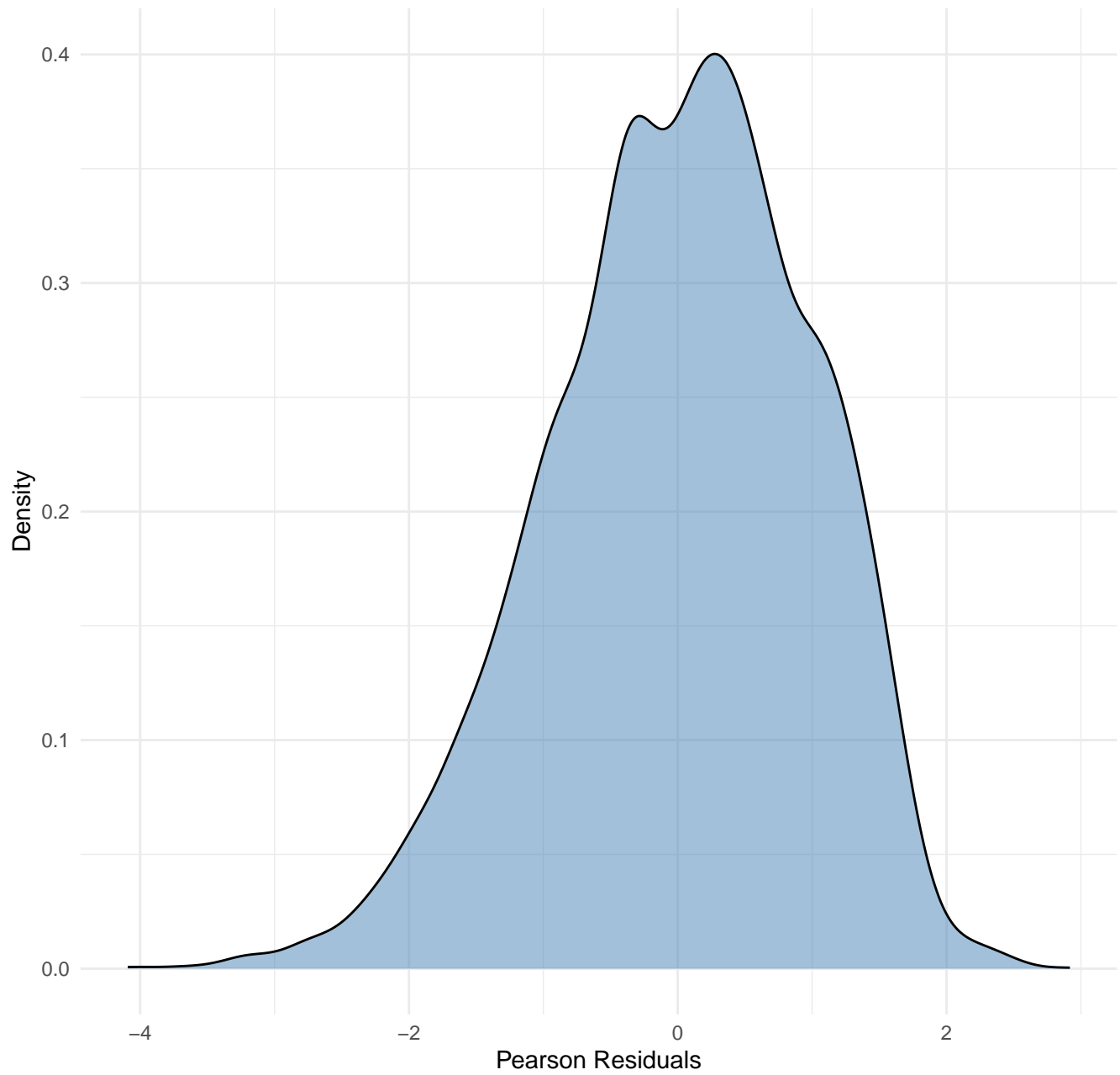
Scale–Location Plot



Distribution of Pearson Residuals



Density Plot of Pearson Residuals



Residuals vs Observation Order

