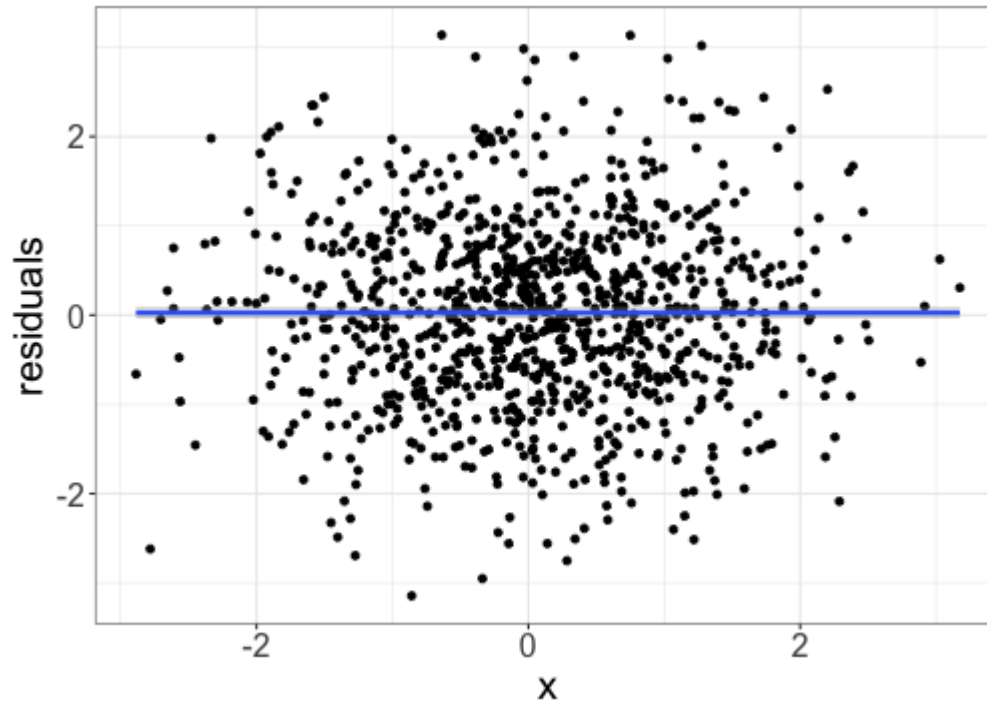


Logistic regression assumptions and diagnostics

Last time: quantile residuals to assess shape



Warm up: Class activity, Part I

https://sta712-f22.github.io/class_activities/ca_lecture_6.html

- + Generate data for which the logistic regression shape assumption doesn't hold
- + See whether the violation shows up on a quantile residual plot

More logistic regression diagnostics

- + Are there any outliers that could affect the fitted model?
- + Are there issues with multicollinearity?

Leverage and Cook's Distance in linear regression

Fisher scoring as Iteratively Reweighted Least Squares

Class Activity, Part II

https://sta712-f22.github.io/class_activities/ca_lecture_6.html

Exploring leverage and Cook's distance!