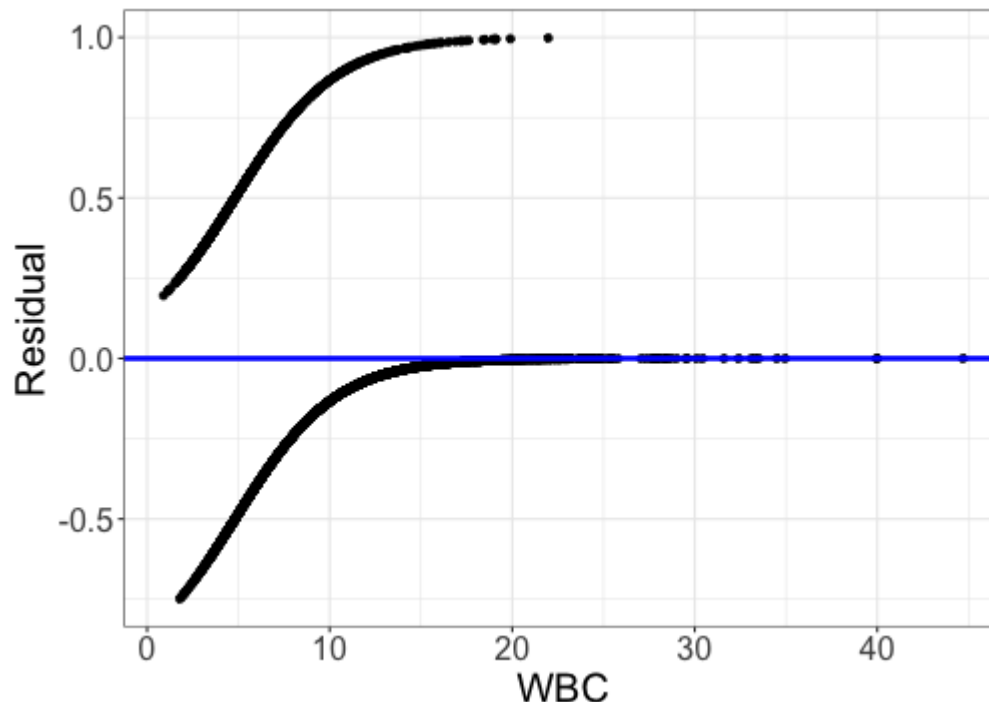


Logistic regression assumptions and diagnostics

Don't use usual residuals for logistic regression

Fitted model: $\log\left(\frac{\hat{p}_i}{1 - \hat{p}_i}\right) = 1.737 - 0.361 \text{ WBC}_i$

Residuals $Y_i - \hat{p}_i$:



Quantile residuals for logistic regression

Class activity, Part I

https://sta711-s23.github.io/class_activities/ca_lecture_10.html

Leverage and Cook's distance

Class activity, Part II

https://sta711-s23.github.io/class_activities/ca_lecture_10.html