

Activity: Interpretation

Group members:

Interpreting a logistic regression model

For the dengue data, our fitted logistic regression model is

$$\log \left(\frac{\hat{p}_i}{1 - \hat{p}_i} \right) = 1.737 - 0.361 \ WBC_i$$

1. Are patients with a higher WBC more or less likely to have dengue?
 2. What is the change in *log odds* associated with a unit increase in WBC?
 3. What is the change in *odds* associated with a unit increase in WBC?