

Activity: Predictions from a logistic regression model

Group members:

Making predictions

For the dengue data, our fitted logistic regression model is

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

1. What is the predicted *odds* of dengue for a patient with a white blood cell count of 15?

2. What is the predicted *probability* of dengue for a patient with a WBC of 15?