

Concept Check #8

HST 190: Introduction to Biostatistics

This worksheet is open-note. Take 15 minutes to consider the following questions. We will discuss as a group.

1. *True or False, and Explain:* When using a logistic regression model, it is impossible for the model to predict a probability that is negative or a probability that is greater than 1.
2. *True or False, and Explain:* Because logistic regression predicts (conditional) probabilities of outcomes, observations used to build a logistic regression model need not be independent.
3. *True or False, and Explain:* When fitting logistic regression, we typically complete model selection using adjusted R^2 . If so, why? If not, why not?