

# Exercise: Linear Models

## **Class Practice**

You can practice utilizing linear models to answer questions about your project data.

## **Loading Libraries**

Load libraries that you will need to interpret a linear model. Add to the list as you realize you need them.

## **Reading Data**

Obtain project data for running a linear model.

## **Fitting the Model**

Fit your data to a linear model for which you predict a single outcome variable using one or more predictor variables.

## **Interpreting the Model**

Interpret whether the overall fit of the model by including the metrics relevant for arriving at your conclusion.

## **Interpreting Model Coefficients**

Provide the model coefficients and interpret those coefficients accordingly.

## **Visualizing the Relationship(s)**

Consider ways that you might visually convey the relationships captured by the model.