Exercise 10: Chili Cook-off

ECON 256 Data Analysis and Visualization

Objective

Run a regression and interpret the coefficients.

1 Set up Your R Workspace

Set a working directory and initialize TidyVerse.

2 Download/Load the Data

Download the "cookoff.csv" data from Laulima.

Use the `read_csv()` command to load the .csv file into R.

The data set has the results from 50 contestants in a chili cook-off (like we did in class). The variables include the number of red peppers used in the recipe, the number of black peppers used and a rating of how spicy the chili was.

3 How Spicy are the Red and Black Peppers?

Each pepper increases the spice rating of the chili by some amount. Use the function `lm()` to run a linear regression with 'spicy' as your dependent variable and both pepper variables as the independent variables.

By how much does each red pepper increase the spicy variable? By how much does each black pepper increase the spicy variable? Are the effects statistically significant? Write your answer as a comment in your code.

4 Send me Your Code

Save your R code.

Name the R code with your last name, followed by the exercise number.

Submit your code on Laulima.