

Is your Statistics Notebook open to the "Linear Regression" page?

- ☒ Yes
- ☐ No

Use the list below to verify that you can locate the various parts of the Linear Regression page that will be needed for this Skills Quiz and this week's analysis.

- ☒ **Linear Regression** (Under "Making Inference" on your webpage menu)
- ☒ **Explanation** (for Simple Linear Regression)
- ☒ **R Instructions** (for Simple Linear Regression)
- ☒ **Examples: bodyweight** (for Simple Linear Regression)
- ☒ **Examples: cars** (for Simple Linear Regression)

Prove that you have located the above links by answering the following.

Enter the estimated coefficients for the regression line that is shown on the **cars Example** for Simple Linear Regression. The example is titled: *Stopping Distances by Speed of 1920's Cars*.

$$\hat{Y}_i = \boxed{-17.58} + \boxed{3.93} X_i$$

What is the estimated value of the slope for the above linear regression?