

## 4.3: Guessing Correlations

### Learning Objectives

- Learn how to estimate Pearson's correlation coefficient by viewing scatter plots

### Instructions

This demonstration allows you to learn about Pearson's correlation by viewing scatter plots with different values of Pearson's  $r$ . In each case, you will have an opportunity to guess the correlation. With a little practice, you should get pretty good at it.

### Illustrated Instructions

The demonstration begins by displaying a scatterplot (shown below) and you guess what the correlation of the data in the scatterplot is by selecting one of five options below the graph.

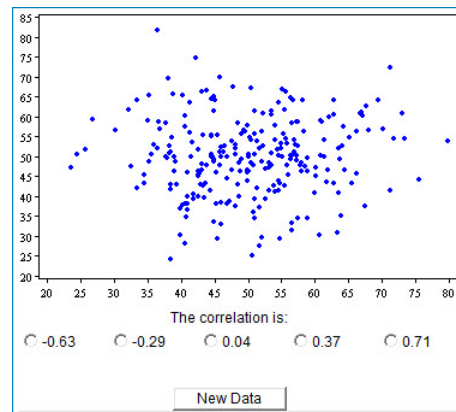
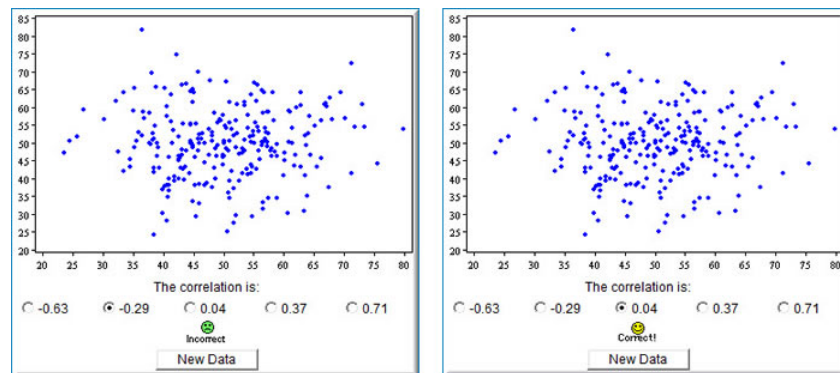


Figure 4.3.1: Beginning Scatterplot

As can be seen in screenshots below, once you select an answer you will be prompted whether the answer is correct or incorrect. Click the "New Data" to get a new dataset.



*Incorrect Answer*

*Correct Answer*

Figure 4.3.2: Scatterplot after selecting an answer

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