

Guiding questions:

1. Keeping everything else the same, play around with increasing and decreasing the number of observations. What is the general trend that for the p-value when the number of observations increases?
2. Keeping everything else the same, play around with the slopes (2<sup>nd</sup> slider bar) and error amounts (3<sup>rd</sup> slider bar). Note what happens to the significance of the association as you change these terms.
3. Check the box to add “teacher” as a confounding variable.
4. Turn off color. Without color, do you feel as though you are missing important information about this graph?