Final Paper

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**Analysis on if Females truly do worse in STEM courses**

My final conclusion based on my data set, is that success in STEM courses is not affected by gender. In the graphs there are little variations for Males and Females of the same data. When running a hypothesis test the null hypothesis was rejected. Looking at the distributions, they were all normal. All these factors lead me to believe that gender is not a factor in determining success in a STEM course.

From this data set, I feel having more STEM courses (like a science or computer course) would benefit the analysis. Going off of just one STEM course and making a generalization can lead to a bias. I also feel like implementing the ethnicity column could have helped widen what I was analyzing, but with no way of determining what the categories were I felt the data was a little elusive and hard to make predictions on. The largest challenge I faced was determining what of my original questions I wanted to try and answer with this data set. If I allowed more time I may have gone into a deeper dive on all of my questions, but I felt it was best to focus on one generalization than to have a bunch of partial analysis.