**What do you notice about the means and standard deviations of x and y for the data sets given in each plot?**

The main thing I noticed was that each plot had the same mean and standard deviation values. From this observation, we can tell that each plot of data does not deviate far from the average in their respective x- and y-axis.

**What do you notice about the graphs for the data sets given in each plot?**

Even though each plot had the same calculations overall, in terms of mean and standard deviation, I noticed slight differences in each of them. The first plot seems to have more variance as the line of best fit only touches a few data points. The second, third, and fourth plots all have a less variant trend as their data points are closer together with the exception of a one or two stragglers.

**How would you respond to a classmate who says that summary statistics are enough?**

I would have to respectfully disagree with this statement since summary statistics don’t tell the whole story unless you’re using a big enough sample size. In the plots given to us within the exercise, we were only given 11 data points. While the plots were big enough to showcase trends within each plot, the margin of error is larger because the sample size is so small. Now if the classmate mentioned a sample size of 400-500 with their statement, I would definitely have responded to this claim differently.