For my hypothesis, I am going to test whether there is a positive correlation between the call time lengths in Vidua macroura and their host Estrilda astrild. The main functions I am going to be using is the plot() function and lm() function to add a regression line . I have over 130 data sets that include the total length of the call of the birds. I have constructed a ballpark idea of a graph in excel using my data.

I know this appears complicated to read, but overall based on the R^2 vales there appears to be a low low correlation between the two data sets which would not prove my hypothesis.