**Stats 112- Final Project**

* **FOR OUR PROJECT –** we need to focus on Numerical vs. Numerical, Categorical vs. Categorical, and finally Categorical vs. Numerical
  + Make sure to ask what kind of questions we want to answer and analyze from our data given to us
* Keep in mind that if the frequency looks weird and too disbursed, then you would use the R Code 🡪 recode(…) to combine your data to make it look more reasonable (i.e. agree + strongly agree = Agree)
* If your R^2 is about 30%, then you have a pretty strong model
  + Create a strong model with the lm(…) code
  + If it is above 20%, we have a pretty good model
* Make sure to check Significance levels and p-values to make sure your variables are significant to the model
* You also want to show whether your graph has Direct correlation (i.e. negative slopes for all graphs, positive slopes, or mixed?)
* Tier One:
  + Numerical Outcome
  + Numerical Predictor
  + Question with 5 levels (i.e. strongly disagree, …, strongly agree)
  + Interactions b/w Numerical and Categorial **OR** Categorical and Categorical
  + Need to do Multiple Regression
* My Group will be doing:
  + Numerical & Categorical
  + **Outcome:** Belonging (N), SES (N)
  + **Predictors:** STEM (Ct.), Major (Ct.), [Major (Ct.) & Stress in College (N)], [Major (Ct.) & STEM (Ct.)]
  + [FatherEdu (Ct.) & MotherEdu (Ct.) 🡪 SES (N) (OUTCOME)]
  + [Transfer (Ct.) & First-Gen (Ct.) 🡪 Belonging (N) (OUTCOME)]
  + [GPA (N) & EFL (Ct.) 🡪 Confidence GPA (Ct.) (OUTCOME)]
  + **Question We Are Going to Answer:** 
    - Can we predict a student’s sense of Belonging here at UCLA from our predictors a student’s Major and their Stress levels here at UCLA? (m8)