Term Project Proposal

1. Language of choice: R (version 4.0.3)
2. R is an interpreted, functional language.
3. I am creating an application which is ran from RStudio desktop application that performs data analysis on sales and ad revenue within a mock business. The user would be able to import a dataset in a CSV format, and utilize pre-built function which would visualize various data pieces.
4. Language Fit:
   1. R is one of the most widely used languages for data analysis. R scripts are executed in a procedural fashion, which fits the requirements of my program. CSV files can be imported into an object and individual rows and columns can be exported into separate number array. R is most widely used in conjunction with RStudio, which I will be using. RStudio extends functionality of the base language package by allowing users to contain the data sets, output visualization models, and a library of R script files all in one environment.
5. Resources:
   1. RStudio Desktop <https://rstudio.com/products/rstudio/download/#download>
   2. R 4.0.3 for Windows <https://cran.rstudio.com/>