

- a. Team: Tyler Glotz, Elias Bezanis, Alex Sheehan
- b. Title: Data Analysis Tools
- c. Description: Take in different types of database files (starting with .txt and .csv, maybe expand to JSON files, etc). Process the data from the files with minimal user interaction and produce manipulatable data sets for high level analysis in a User Interface. Provide “easy-to-use” data analysis tools for the user.
- d. Actors: Software Developers who utilize and process data, Data scientists and Businesses with data sets to process.
- e. Functionality:
  - Read .txt files
  - Output .txt files
  - Read .csv files
  - Output .csv files
  - Store data from files
  - Compare data between two files
  - Convert text files to .csv format
  - Convert .csv format to .txt files
  - Correctly read and organize .csv files into proper rows/columns
  - Provide analysis tools(functions) which can be used on a wide variety of data effectively
  - Functionality to combine and compare rows and columns
  - Reasonably intuitive and easy to use UI (functionality with room to grow)