Sql

+main(): void

Our application is a single .java class that queries our data base to pull the information that we need to complete our analysis to answer our question. The results of these queries were then outputted into our R scripts that processed the information so that we could analyze the information deeply. Below is a UML Sequence diagram that helps describe the process that happened. To the left is the structure of our .java application.

File where queries execute and gets returned data

Returns data found from queries

Evaluates the data from the queries to answer question 1

Evaluates the data from the queries to answer question 2

Evaluates the data from the queries to answer question 3

Evaluates the data from the queries to answer question 4

Evaluates the data from the queries to answer question 5

SQL1.java

Database

Question1.R

Question2.R

Question3.R

Question4.R

Question5.R

Sends Queries to Database

Returns Data

Sends .csv file for Q1

Sends .csv file for Q2

Send .csv file for Q3

Send .csv file for Q4

Send .csv file for Q5