CSC8631 Assignment Report

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07/11/2021

```
library(ProjectTemplate)
## Loading required package: digest
## Loading required package: tibble
load.project()
## Project name: csc8631
## Loading project configuration
## Autoloading helper functions
   Running helper script: globals.R
   Running helper script: helpers.R
## Autoloading data
   Loading data set: cyber.security.1_archetype.survey.responses
   Translating data.frame to tibble: cyber.security.1_archetype.survey.responses
##
     Creating cache entry from global environment: cyber.security.1_archetype.survey.responses
##
   Loading data set: cyber.security.1_enrolments
   Translating data.frame to tibble: cyber.security.1_enrolments
##
    Creating cache entry from global environment: cyber.security.1_enrolments
   Loading data set: cyber.security.1_leaving.survey.responses
   Translating data.frame to tibble: cyber.security.1_leaving.survey.responses
```

- ## Creating cache entry from global environment: cyber.security.1_leaving.survey.responses
- ## Loading data set: cyber.security.1_question.response
- ## Translating data.frame to tibble: cyber.security.1_question.response
- ## Creating cache entry from global environment: cyber.security.1_question.response
- ## Loading data set: cyber.security.1_step.activity
- ## Translating data.frame to tibble: cyber.security.1_step.activity
- ## Creating cache entry from global environment: cyber.security.1_step.activity
- ## Loading data set: cyber.security.1_weekly.sentiment.survey.responses
- ## Translating data.frame to tibble: cyber.security.1 weekly.sentiment.survey.responses
- ## Creating cache entry from global environment: cyber.security.1_weekly.sentiment.survey.responses
- ## Loading data set: cyber.security.2_archetype.survey.responses
- ## Translating data.frame to tibble: cyber.security.2_archetype.survey.responses
- ## Creating cache entry from global environment: cyber.security.2_archetype.survey.responses
- ## Loading data set: cyber.security.2_enrolments
- ## Translating data.frame to tibble: cyber.security.2_enrolments
- ## Creating cache entry from global environment: cyber.security.2_enrolments
- ## Loading data set: cyber.security.2_leaving.survey.responses
- ## Translating data.frame to tibble: cyber.security.2_leaving.survey.responses
- ## Creating cache entry from global environment: cyber.security.2_leaving.survey.responses
- ## Loading data set: cyber.security.2_question.response
- ## Translating data.frame to tibble: cyber.security.2_question.response
- ## Creating cache entry from global environment: cyber.security.2_question.response
- ## Loading data set: cyber.security.2_step.activity
- ## Translating data.frame to tibble: cyber.security.2_step.activity

- ## Creating cache entry from global environment: cyber.security.2_step.activity
- ## Loading data set: cyber.security.2_team.members
- ## Translating data.frame to tibble: cyber.security.2_team.members
- ## Creating cache entry from global environment: cyber.security.2_team.members
- ## Loading data set: cyber.security.2_weekly.sentiment.survey.responses
- ## Translating data.frame to tibble: cyber.security.2_weekly.sentiment.survey.responses
- ## Creating cache entry from global environment: cyber.security.2_weekly.sentiment.survey.responses
- ## Loading data set: cyber.security.3_archetype.survey.responses
- ## Translating data.frame to tibble: cyber.security.3 archetype.survey.responses
- ## Creating cache entry from global environment: cyber.security.3_archetype.survey.responses
- ## Loading data set: cyber.security.3_enrolments
- ## Translating data.frame to tibble: cyber.security.3_enrolments
- ## Creating cache entry from global environment: cyber.security.3_enrolments
- ## Loading data set: cyber.security.3_leaving.survey.responses
- ## Translating data.frame to tibble: cyber.security.3_leaving.survey.responses
- ## Creating cache entry from global environment: cyber.security.3_leaving.survey.responses
- ## Loading data set: cyber.security.3_question.response
- ## Translating data.frame to tibble: cyber.security.3_question.response
- ## Creating cache entry from global environment: cyber.security.3_question.response
- ## Loading data set: cyber.security.3_step.activity
- ## Translating data.frame to tibble: cyber.security.3_step.activity
- ## Creating cache entry from global environment: cyber.security.3_step.activity
- ## Loading data set: cyber.security.3_team.members
- ## Translating data.frame to tibble: cyber.security.3_team.members

- ## Creating cache entry from global environment: cyber.security.3_team.members
- ## Loading data set: cyber.security.3_video.stats
- ## Translating data.frame to tibble: cyber.security.3_video.stats
- ## Creating cache entry from global environment: cyber.security.3_video.stats
- ## Loading data set: cyber.security.3_weekly.sentiment.survey.responses
- ## Translating data.frame to tibble: cyber.security.3_weekly.sentiment.survey.responses
- ## Creating cache entry from global environment: cyber.security.3_weekly.sentiment.survey.responses
- ## Loading data set: cyber.security.4_archetype.survey.responses
- ## Translating data.frame to tibble: cyber.security.4_archetype.survey.responses
- ## Creating cache entry from global environment: cyber.security.4_archetype.survey.responses
- ## Loading data set: cyber.security.4_enrolments
- ## Translating data.frame to tibble: cyber.security.4_enrolments
- ## Creating cache entry from global environment: cyber.security.4_enrolments
- ## Loading data set: cyber.security.4_leaving.survey.responses
- ## Translating data.frame to tibble: cyber.security.4_leaving.survey.responses
- ## Creating cache entry from global environment: cyber.security.4_leaving.survey.responses
- ## Loading data set: cyber.security.4_question.response
- ## Translating data.frame to tibble: cyber.security.4_question.response
- ## Creating cache entry from global environment: cyber.security.4_question.response
- ## Loading data set: cyber.security.4_step.activity
- ## Translating data.frame to tibble: cyber.security.4_step.activity
- ## Creating cache entry from global environment: cyber.security.4_step.activity
- ## Loading data set: cyber.security.4_team.members
- ## Translating data.frame to tibble: cyber.security.4_team.members

- ## Creating cache entry from global environment: cyber.security.4_team.members
- ## Loading data set: cyber.security.4_video.stats
- ## Translating data.frame to tibble: cyber.security.4_video.stats
- ## Creating cache entry from global environment: cyber.security.4_video.stats
- ## Loading data set: cyber.security.4_weekly.sentiment.survey.responses
- ## Translating data.frame to tibble: cyber.security.4_weekly.sentiment.survey.responses
- ## Creating cache entry from global environment: cyber.security.4_weekly.sentiment.survey.responses
- ## Loading data set: cyber.security.5_archetype.survey.responses
- ## Translating data.frame to tibble: cyber.security.5 archetype.survey.responses
- ## Creating cache entry from global environment: cyber.security.5_archetype.survey.responses
- ## Loading data set: cyber.security.5_enrolments
- ## Translating data.frame to tibble: cyber.security.5_enrolments
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- ## Creating cache entry from global environment: cyber.security.5_leaving.survey.responses
- ## Loading data set: cyber.security.5_question.response
- ## Translating data.frame to tibble: cyber.security.5_question.response
- ## Creating cache entry from global environment: cyber.security.5_question.response
- ## Loading data set: cyber.security.5_step.activity
- ## Translating data.frame to tibble: cyber.security.5_step.activity
- ## Creating cache entry from global environment: cyber.security.5_step.activity
- ## Loading data set: cyber.security.5_team.members
- ## Translating data.frame to tibble: cyber.security.5_team.members

- ## Creating cache entry from global environment: cyber.security.5_team.members
- ## Loading data set: cyber.security.5_video.stats
- ## Translating data.frame to tibble: cyber.security.5_video.stats
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- ## Creating cache entry from global environment: cyber.security.5_weekly.sentiment.survey.responses
- ## Loading data set: cyber.security.6_archetype.survey.responses
- ## Translating data.frame to tibble: cyber.security.6_archetype.survey.responses
- ## Creating cache entry from global environment: cyber.security.6_archetype.survey.responses
- ## Loading data set: cyber.security.6_enrolments
- ## Translating data.frame to tibble: cyber.security.6_enrolments
- ## Creating cache entry from global environment: cyber.security.6_enrolments
- ## Loading data set: cyber.security.6_leaving.survey.responses
- ## Translating data.frame to tibble: cyber.security.6_leaving.survey.responses
- ## Creating cache entry from global environment: cyber.security.6_leaving.survey.responses
- ## Loading data set: cyber.security.6_question.response
- ## Translating data.frame to tibble: cyber.security.6_question.response
- ## Creating cache entry from global environment: cyber.security.6_question.response
- ## Loading data set: cyber.security.6_step.activity
- ## Translating data.frame to tibble: cyber.security.6_step.activity
- ## Creating cache entry from global environment: cyber.security.6_step.activity
- ## Loading data set: cyber.security.6_team.members
- ## Translating data.frame to tibble: cyber.security.6_team.members

- ## Creating cache entry from global environment: cyber.security.6_team.members
- ## Loading data set: cyber.security.6_video.stats
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- ## Creating cache entry from global environment: cyber.security.6_weekly.sentiment.survey.responses
- ## Loading data set: cyber.security.7_archetype.survey.responses
- ## Translating data.frame to tibble: cyber.security.7_archetype.survey.responses
- ## Creating cache entry from global environment: cyber.security.7_archetype.survey.responses
- ## Loading data set: cyber.security.7_enrolments
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- ## Loading data set: cyber.security.7_step.activity
- ## Translating data.frame to tibble: cyber.security.7_step.activity
- ## Creating cache entry from global environment: cyber.security.7_step.activity
- ## Loading data set: cyber.security.7_team.members
- ## Translating data.frame to tibble: cyber.security.7_team.members

```
## Creating cache entry from global environment: cyber.security.7_team.members

## Loading data set: cyber.security.7_video.stats

## Translating data.frame to tibble: cyber.security.7_video.stats

## Creating cache entry from global environment: cyber.security.7_video.stats

## Loading data set: cyber.security.7_weekly.sentiment.survey.responses

## Translating data.frame to tibble: cyber.security.7_weekly.sentiment.survey.responses

## Creating cache entry from global environment: cyber.security.7_weekly.sentiment.survey.responses

## Munging data

## Running preprocessing script: 01-A.R
```

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

```
##
        speed
                        dist
           : 4.0
                           : 2.00
##
    Min.
                   Min.
   1st Qu.:12.0
                   1st Qu.: 26.00
   Median:15.0
                   Median : 36.00
##
           :15.4
                           : 42.98
   Mean
                   Mean
                   3rd Qu.: 56.00
##
    3rd Qu.:19.0
           :25.0
                           :120.00
   Max.
                   Max.
```

Including Plots

You can also embed plots, for example:



Note that the \mbox{echo} = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.