

# COMPSCIX 415.2 Homework 5/Midterm

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## Contents

Github location . . . . .	1
RStudio and R Markdown . . . . .	1
Question: 1 . . . . .	1
The tidyverse packages . . . . .	2
Question: 1 . . . . .	2
Question: 2 . . . . .	2
R Basics . . . . .	3
Question: 1 . . . . .	3
Question: 2 . . . . .	3
Question: 3 . . . . .	3
Data import/export . . . . .	3
Question: 1 . . . . .	3
Question: 2 . . . . .	3
Visualization . . . . .	3
Question: 1 . . . . .	3
Question: 2 . . . . .	3
Question: 3 . . . . .	3
Data munging and wrangling . . . . .	3
Question: 1 . . . . .	3
Question: 2 . . . . .	3
Question: 3 . . . . .	3
EDA . . . . .	3
Question: 1 . . . . .	3
Question: 2 . . . . .	3
Question: 3 . . . . .	3
Question: 4 . . . . .	3
Question: 5 . . . . .	3
Question: 6 . . . . .	3
Git and Github . . . . .	3

## Github location

My homework assignments can be found at <https://github.com/santumagic/compscix-415-2assignments.git>

## RStudio and R Markdown

### Question: 1

As part of this question, I have loaded the required packages and added instructions for table of contents etc in the YAML header.

```
# Load the required packages
library(tidyverse)
```

```
library(mdsr)
library(nycflights13)
```

## The tidyverse packages

### Question: 1

Plotting - **ggplot2**

Data munging/wrangling - **dplyr** and **tidyr**

Reshaping (speading and gathering) data - **tidyr**

Importing/exporting data - **readr**

### Question: 2

Plotting - **ggplot()** and **aes()**

Data munging/wrangling - **select()** and **filter()**

Reshaping (speading and gathering) data - **separate()** and **extract()**

Importing/exporting data - **read\_csv()** and **read\_delim()**

## R Basics

Question: 1

Question: 2

Question: 3

## Data import/export

Question: 1

Question: 2

## Visualization

Question: 1

Question: 2

Question: 3

## Data munging and wrangling

Question: 1

Question: 2

Question: 3

## EDA

Question: 1

Question: 2

Question: 3

Question: 4

Question: 5

Question: 6

## Git and Github