

## Review I of DS 1: R and R files

### 1. There are two file types:

- R Files - Can run code only
- R Markdown Files - Can run code and text to produce either a HTML or PDF file

### 2. R Files

#### 2a. To Open a R file:

- Click the *green plus sign* right under the File tab in the far left
- Click on *R Script*

#### 2b. Run 1 line of code

- Move Cursor to the line of code and Hit *CTRL + ENTER* (PC) or *CMD + ENTER* (MAC)
- ```
people_height = c(72,65,56,76)
```

#### 2c. Run multiple lines of code

- Highlight the lines of code of interest and Hit *CTRL + ENTER* (PC) or *CMD + ENTER* (MAC)

```
people_height = c(72,65,56,76)
people_gender = c('M','F','M',NA)
people_df = data.frame(people_height,people_gender)
```

### 3. R Markdown

#### 3a. To Open a R Markdown file:

- Click the *green plus sign* right under the File tab in the far left
- Click on *R Markdown ...*
- Fill in *Title* with “Project 1” and *Author* with your name
- Click OK

#### 3b. R Chunks

- **To Create R Chunks:** Hit *Ctrl + Alt + I* (PC) or *CMD + Option + I* (MAC)
- **To Run R Chunks:** Click on green play button to the right of the Chunk

```
people_height = c(72,65,56,76)
people_gender = c('M','F','M',NA)
people_df = data.frame(people_height,people_gender)
```

#### 3c. To Compile R Markdown

- Hit the *Knit* button that has a ball of yarn and needle next to it
- **To Create R Chunks:** Hit *Ctrl + Shift + K* (PC) or *CMD + Shift + K* (MAC)