

# week9\_pdf.Rmd

*Phoebe Hessen*

*3/20/2020*

## Libraries

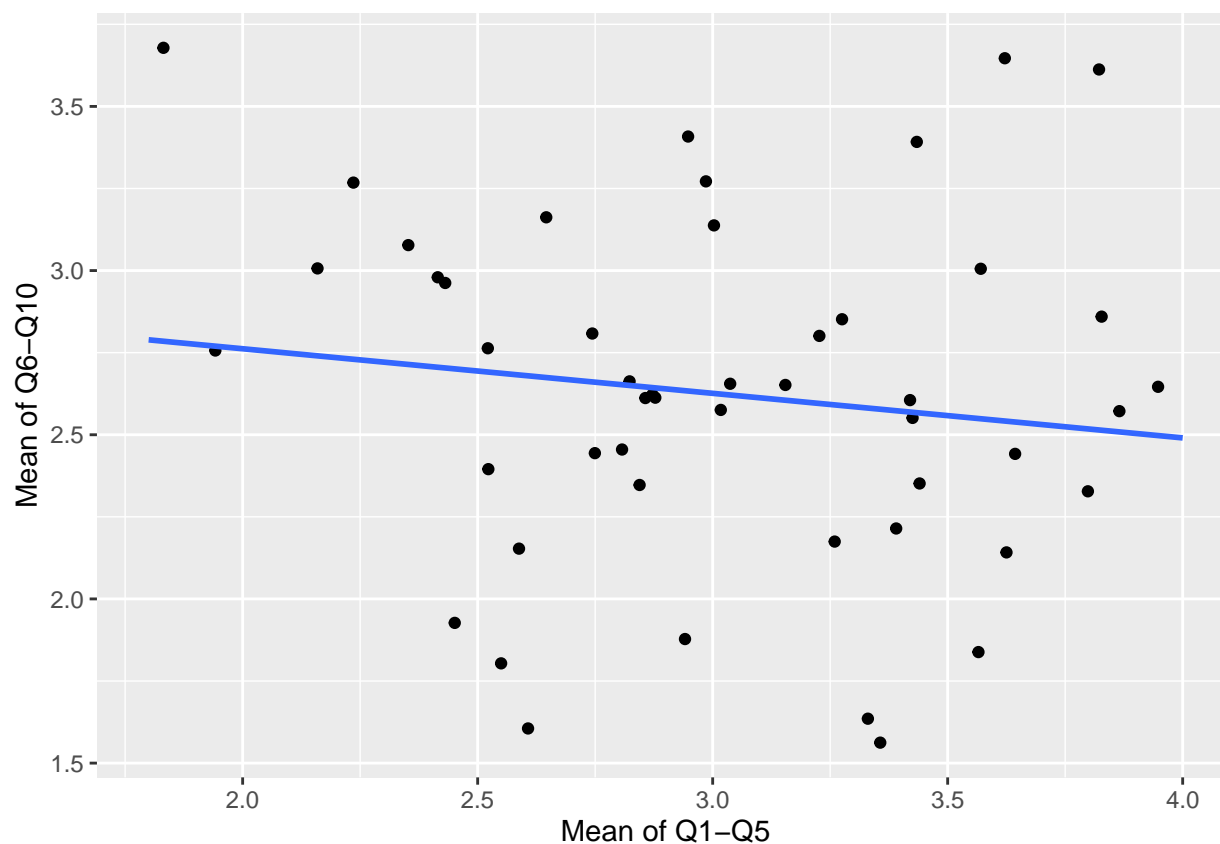
## Data Import

Data Cleaning Steps:

- Import data
- Create new column with the row-wise mean of columns q1-q5
- Create new column with the row-wise mean of columns q6-q10

```
week9_tbl <- read_csv("../data/week3.csv")
week9_tbl <- week9_tbl %>%
  mutate(meanq1q5 = rowMeans(week9_tbl[5:9])) %>%
  mutate(meanq6q10 = rowMeans(week9_tbl[10:14]))
```

## Visualization



This is a scatterplot illustrating the relationship between participants' mean score on questions 1-5 and their mean score on questions 6-10, including the OLS regression line.

## Analysis

```
cortest <- cor.test(week9_tbl$meanq1q5, week9_tbl$meanq6q10)
cortest$estimate
```

```
##          cor
## -0.1364998
```

```
cortest$p.value
```

```
## [1] 0.3496752
```

The correlation was -0.14 (0.35), which is not statistically significant.