week9_pdf.Rmd

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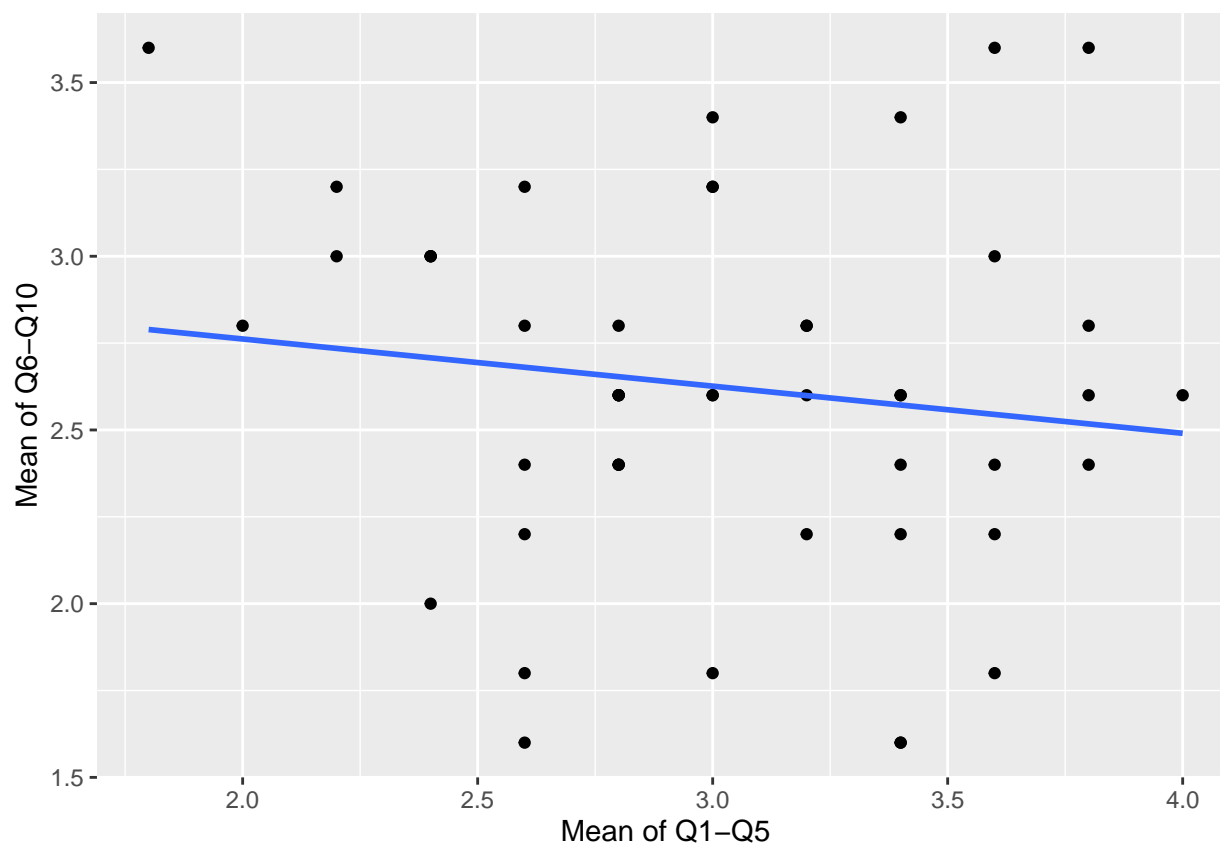
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Libraries

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

```r
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.