Asisgnment 05

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Set the working directory to the root of your DSC 520 directory

Load the `data/r4ds/heights.csv` to

```
setwd("/Users/feliperodriguez/Library/CloudStorage/OneDrive-BellevueUniversity/Github/dsc520/")
heights_df <- read.csv("data/r4ds/heights.csv")
```

Using `cor()` compute correclation coefficients for

height vs. earn

```
cor(heights_df$height, heights_df$earn)
```

```
## [1] 0.2418481
```

age vs. earn

```
cor(heights_df$age, heights_df$earn)
```

```
## [1] 0.08100297
```

ed vs. earn

```
cor(heights_df$ed, heights_df$earn)
```

```
## [1] 0.3399765
```

Spurious correlation

The following is data on US spending on science, space, and technology in millions of today's dollars and Suicides by hanging strangulation and suffocation for the years 1999 to 2009

Compute the correlation between these variables

```
tech_spending <- c(18079, 18594, 19753, 20734, 20831, 23029, 23597, 23584, 25525, 27731, 29449)
suicides <- c(5427, 5688, 6198, 6462, 6635, 7336, 7248, 7491, 8161, 8578, 9000)
cor(tech_spending, suicides)
```

```
## [1] 0.9920817
```

```
s_cor <- cbind(tech_spending, suicides)
cor(s_cor, use="everything")
```

```
##               tech_spending  suicides
## tech_spending     1.0000000 0.9920817
## suicides          0.9920817 1.0000000
```