

- In R, you need to install the “Hmisc” package first, and then load it:

```
> library(Hmisc) # Needed for correlation
```

- Our data frame is called “covary” and looks like this:

Participant	Study Time	Exam Score	Mean_Exam_Score	Mean_Study_Time
1	14	5	6.4	14.6
2	15	7	6.4	14.6
3	16	7	6.4	14.6
4	13	6	6.4	14.6
5	15	7	6.4	14.6

- To calculate Pearson’s R for these two variables we type:

```
> rcorr(covary$`Study Time`, covary$`Exam Score`)
```

```
> rcorr (covary$`Study Time`, covary$`Exam Score`)
```

```
      x      y  
x 1.00 0.69  
y 0.69 1.00
```

```
n= 5
```

```
P  
      x      y  
x      0.2006  
y 0.2006
```

- The Pearson's r value is 0.69 - but it is not significant as $p = 0.20$