



```
> library(readxl)
> d <- read_excel("Documents/courses/2018-Spring-
IS4800-methods/Lectures/L19/In-Class-Experiment/
anondata.xlsx")
> View(d)
> table(d$Condition)
A B C
7 8 8
> table(d$Sex,d$Condition)
A B C
F 3 3 5
M 3 3 3
```







```
> # BASELINE ANALYSIS
> summary(d$FVPre[d$Condition=='A'])
    Min. 1st Qu. Median Mean 3rd Qu. Max.
    3.00    6.00    8.00    11.43    14.50    28.00
> IQR(d$FVPre[d$Condition=='A'])
[1] 8.5
> # ETC
```

```
> # BASELINE ANALYSIS
> kruskal.test(d$FVPre~d$Condition)
        Kruskal-Wallis rank sum test
data: d$FVPre by d$Condition
Kruskal-Wallis chi-squared = 1.5819, df = 2, p-
value
= 0.4534
> chisq.test(table(d$Condition,d$Sex))
        Pearson's Chi-squared test
data: table(d$Condition, d$Sex)
X-squared = 0.30303, df = 2, p-value = 0.8594
> # ETC
```

7

8

```
> # OUTCOME DESCRIPTIVES
> summary(d$FVChange[d$Condition=='A'])
    Min. 1st Qu. Median Mean 3rd Qu. Max.
    0.0000    0.0000    0.4286    0.5000    2.0000
> IQR(d$FVChange[d$Condition=='A'])
[1] 0.5
> # ETC
```

```
> # OUTCOME INFERENTIALS
> kruskal.test(d$FVChange~d$Condition)
...
Kruskal-Wallis ... p-value = 0.1813
> kruskal.test(d$ExerciseChange~d$Condition)
...
Kruskal-Wallis ... p-value = 0.2933
> kruskal.test(d$MeditationChange~d$Condition)
...
Kruskal-Wallis ... p-value = 1
```

9

















Two-way ANOVA in R				
	Book	Instructor	Knowledge	
	1	1	1.5	
	2	2	2	
	1	1	2	
	1	1	0.5	
	2	2	2	
	2	2	2	
	1	1	2	
	2	2	2	
	1	1	1	
	1	2	6.5	
				24









































































