

```
> # Entrada de dados de arquivos  
> alunosE<-read.table("RDadosE.csv",sep=';',header=T)  
> alunosE
```

```
  Aluno M1 M2 M3
```

```
1  E01 4 4 6  
2  E02 4 19 18  
3  E03 7 19 19  
4  E04 5 19 6  
5  E05 4 4 6  
6  E06 4 4 17  
7  E07 4 11 5  
8  E08 15 19 7  
9  E09 11 19 5  
10 E10 4 14 8  
11 E11 8 19 6  
12 E12 4 17 6  
13 E13 4 11 4
```

```
> alunosC<-read.table("RDadosC.csv",sep=';',header=T)  
> alunosC
```

```
  Aluno M1 M2 M3
```

```
1  C01 11 16 5  
2  C02 11 18 6  
3  C03 4 4 4  
4  C04 4 4 4  
5  C05 15 18 18  
6  C06 4 13 4  
7  C07 4 4 5  
8  C08 4 4 15  
9  C09 4 4 5  
10 C10 5 16 5  
11 C11 4 18 6
```

12 C12 4 6 5

13 C13 4 13 4

> # Estatística Inferencial

> # Wilcoxon – Mann - Whitney

> # Pergunta #1

> wilcox.test(alunosE[,2], alunosC[,2])

Wilcoxon rank sum test with continuity correction

data: alunosE[, 2] and alunosC[, 2]

W = 89, p-value = 0.8088

alternative hypothesis: true location shift is not equal to 0

Warning message:

In wilcox.test.default(alunosE[, 2], alunosC[, 2]) :

cannot compute exact p-value with ties

> # Pergunta #2

> wilcox.test(alunosE[,3], alunosC[,3])

Wilcoxon rank sum test with continuity correction

data: alunosE[, 3] and alunosC[, 3]

W = 115.5, p-value = 0.1098

alternative hypothesis: true location shift is not equal to 0

Warning message:

In wilcox.test.default(alunosE[, 3], alunosC[, 3]) :

cannot compute exact p-value with ties

> # Pergunta #3

> wilcox.test(alunosE[,4], alunosC[,4])

Wilcoxon rank sum test with continuity correction

data: alunosE[, 4] and alunosC[, 4]

$W = 124.5$, p-value = 0.03814

alternative hypothesis: true location shift is not equal to 0

Warning message:

In wilcox.test.default(alunosE[, 4], alunosC[, 4]) :

cannot compute exact p-value with ties

>