

clase_2.R

hugop

2023-11-24

```
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# Importar datos de archivo excel a la consola de R
# Funcion "read.csv"
setwd("C:/UANL_FCF/REPOSITARIOS/Exp_Met_Est_AD2023")
# Importar -----

Ocampo <- read.csv("Scripts/Ocampo.csv", header = TRUE)
head(Ocampo)
```

```
##  DIRS DIRR VELR VELR TEMP HR    PB PREC RAD.SOL TEMPCOMB HUMCOMB HUMSUBS
## 1  142  140 11.9 18.0 22.2 22 833.3    0      0      23.7      43      4
## 2  154  156 12.1 18.0 22.5 21 833.4    0      0      24.7      41      4
## 3  151  139 10.5 19.1 22.9 21 833.5    0      0      25.2      40      4
## 4  158  157 10.5 18.4 23.4 20 833.5    0      0      26.0      37      3
## 5  150  139 12.5 18.7 24.0 19 833.5    0      0      25.6      36      4
## 6  148  152 12.9 20.2 24.5 18 833.5    0      0      25.8      36      4
##  TEMPSUBS
## 1      21.9
## 2      21.8
## 3      21.8
## 4      21.8
## 5      21.8
## 6      21.9
```

```
tail(Ocampo)
```

```
##      DIRS DIRR VELS VELR TEMP HR      PB PREC RAD.SOL TEMPCOMB HUMCOMB HUMSUBS
## 133   90   86 10.3 19.1 15.2 84 832.5    0      0    11.6      86      4
## 134   96  107 13.8 20.5 15.3 84 832.5    0      3    11.9      85      4
## 135  108  127 11.4 23.4 15.5 77 832.5    0     16    12.3      86      4
## 136  168  136  9.6 23.4 16.4 65 832.6    0     45    13.3      88      4
## 137  170  142  8.5 18.7 17.6 55 832.6    0     79    14.6      87      4
## 138  172  139 13.5 33.8 18.9  0 832.6    0    115    16.5      86      4
##      TEMPSUBS
## 133      21.9
## 134      21.7
## 135      21.7
## 136      21.7
## 137      21.5
## 138      21.5
```

```
# Descriptivas -----
```

```
mean(Ocampo$DIRS)
```

```
## [1] 107.0145
```

```
mean(Ocampo$TEMP)
```

```
## [1] 20.95
```

```
median(Ocampo$TEMP)
```

```
## [1] 20.15
```

```
sd(Ocampo$TEMP)
```

```
## [1] 5.590258
```

```
var(Ocampo$TEMP)
```

```
## [1] 31.25099
```

```
range(Ocampo$TEMP)
```

```
## [1] 12.7 29.6
```

```
fivenum(Ocampo$TEMP)
```

```
## [1] 12.70 15.60 20.15 26.70 29.60
```

```
# Graficas -----  
  
boxplot(Ocampo$TEMP, col="green",  
        ylim=c(10, 30),  
        ylab="Temp ´C",  
        main=" Ocampo")  
mtext("Ema", side=4)  
mtext("Datos de agosto 2023", side=1, padj=3, adj=1)
```

