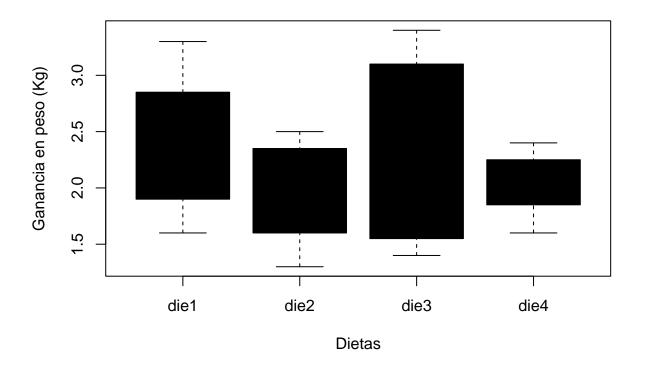
## $clase\_4.R$

## **USUARIO**

2024-05-30

```
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# 2072813
# 20/05/2024
# Experimento ganancia en peso (GP) basado en diferentes dietas
# Niveles de factor: 4(die1, die2, die3, die4)
die1 \leftarrow c(2.4, 2.2, 3.3, 1.6)
die2 \leftarrow c(2.2, 1.9, 1.3, 2.5)
die3 \leftarrow c(3.4, 1.7, 2.8, 1.4)
die4 \leftarrow c(1.6, 2.1, 2.1, 2.4)
# Sumatoria de grupos/bloques
# Para peso bajo sumar la ganancia en peso
sum(die1[1]+die2[1]+die3[1]+die4[1])
## [1] 9.6
sum(die1[2]+die2[2]+die3[2]+die4[2])
## [1] 7.9
sum(die1[3]+die2[3]+die3[3]+die4[3])
## [1] 9.5
sum(die1[4]+die2[4]+die3[4]+die4[4])
## [1] 7.9
# sumatoria de las dietas independienetes de grupo/bloque
sum(die1); sum(die2); sum(die3); sum(die4)
## [1] 9.5
## [1] 7.9
## [1] 9.3
## [1] 8.2
```

```
GP <- c(die1, die2, die3, die4)
Trat <- gl(4,4,16, labels = c("die1","die2","die3","die4"))</pre>
Bloq <- gl(4,4,16, labels = c("Bajo","Normal","SP", "OB"))</pre>
Dietas <- data.frame(Trat,Bloq,GP)</pre>
head(Dietas)
##
     Trat
            Bloq GP
## 1 die1
            Bajo 2.4
            Bajo 2.2
## 2 die1
## 3 die1
            Bajo 3.3
## 4 die1
            Bajo 1.6
## 5 die2 Normal 2.2
## 6 die2 Normal 1.9
boxplot(Dietas$GP~Dietas$Trat,
        col = "black",
        xlab = "Dietas",
        ylab = "Ganancia en peso (Kg)")
```



```
tapply(Dietas$GP, Dietas$Trat, var)
```

```
## die1 die2 die3 die4
## 0.4958333 0.2625000 0.8758333 0.1100000
```