Ejercicio Insecticida

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Análisis de spray insecticida

Cargamos los datos del data set de R llamado InsectSprays'

```
data = InsectSprays
head(data)
   count spray
##
## 1 10 A
## 2
      7
## 3
     20
## 4
     14 A
## 5 14
## 6
      12
str(data)
## 'data.frame':
               72 obs. of 2 variables:
## $ count: num 10 7 20 14 14 12 10 23 17 20 ...
## $ spray: Factor w/ 6 levels "A", "B", "C", "D", ...: 1 1 1 1 1 1 1 1 1 1 ...
by(data$count, data$spray, FUN = summary)
## data$spray: A
##
     Min. 1st Qu. Median Mean 3rd Qu.
                                        Max.
     7.00 11.50 14.00 14.50 17.75 23.00
## data$spray: B
##
     Min. 1st Qu. Median Mean 3rd Qu.
                                        {\tt Max.}
     7.00 12.50 16.50 15.33 17.50 21.00
## data$spray: C
##
    Min. 1st Qu. Median Mean 3rd Qu.
   0.000 1.000 1.500 2.083 3.000 7.000
## data$spray: D
##
   Min. 1st Qu. Median Mean 3rd Qu.
   2.000 3.750 5.000 4.917 5.000 12.000
```

```
## data$spray: E
##
      Min. 1st Qu. Median
                              Mean 3rd Qu.
                                              Max.
                              3.50
                                              6.00
##
              2.75
                      3.00
##
##
  data$spray: F
##
      Min. 1st Qu. Median
                              Mean 3rd Qu.
                                              Max.
##
           12.50
                     15.00
                             16.67
                                     22.50
                                             26.00
# Funcion desviación tipica para cada uno de los tipos de spray
aggregate(count~spray, data = data, FUN = sd)
```

