Clase12.R

Usuario

2022-05-20

```
#Kenny Margarita Rincon Lopez
# 07 de Abril del 2022

Azufre <- c(15.8, 22.7, 26.8, 19.1, 18.5, 14.4,8.3, 25.9, 26.4, 9.8,
            22.7, 15.2, 23.0, 29.6, 21.9, 10.5, 17.3, 6.2, 18.0, 22.9,
            24.6, 19.4, 12.3, 15.9, 11.2, 14.7, 20.5, 26.6, 20.1, 17.0,
            22.3, 27.5, 23.9, 17.5, 11.0, 20.4, 16.2, 20.8, 13.3, 18.1)

t.test(Azufre, mu=17.5, alternative = "greater")

##
##  One Sample t-test
##
## data:  Azufre
## t = 1.3358, df = 39, p-value = 0.09467
## alternative hypothesis: true mean is greater than 17.5
## 95 percent confidence interval:
##  17.18449      Inf
## sample estimates:
## mean of x
##   18.7075

mean(Azufre)

## [1] 18.7075

t.test(Azufre, mu= 20, alternative = "less")

##
##  One Sample t-test
##
## data:  Azufre
## t = -1.4299, df = 39, p-value = 0.08036
## alternative hypothesis: true mean is less than 20
## 95 percent confidence interval:
##      -Inf 20.23051
## sample estimates:
## mean of x
##   18.7075

t.test(Azufre, mu=20.6, alternative = "less")
```

```
##
##  One Sample t-test
##
## data:  Azufre
## t = -2.0936, df = 39, p-value = 0.02142
## alternative hypothesis: true mean is less than 20.6
## 95 percent confidence interval:
##      -Inf 20.23051
## sample estimates:
## mean of x
##   18.7075

#la probabilidad se divide en 2 alfa -0.025 o 0.025
#es menor ya que la media es igual a 18.7075 y P es igual a 0.021
#izq es - 0.025 y dere es 0.025
```