

LAB.-6—Prueba-t-Student-10-09-25.R

angel

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#####
# LAB. 6 - Prueba t Student con una sola muestra
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# 10/09/25
#####

# Se ingresan los datos
costal<-c(87.7, 80.01, 77.28, 78.76, 81.52, 74.2, 80.71, 79.5, 77.87, 81.94, 80.7,
       82.32, 75.78, 80.19, 83.91, 79.4, 77.52, 77.62, 81.4, 74.89, 82.95, 73.59,
       77.92, 77.18, 79.83, 81.23, 79.28, 78.44, 79.01, 80.47, 76.23, 78.89,
       77.14, 69.94, 78.54, 79.7, 82.45, 77.29, 75.52, 77.21, 75.99, 81.94,
       80.41, 77.7)

mean(costal)

## [1] 78.91068

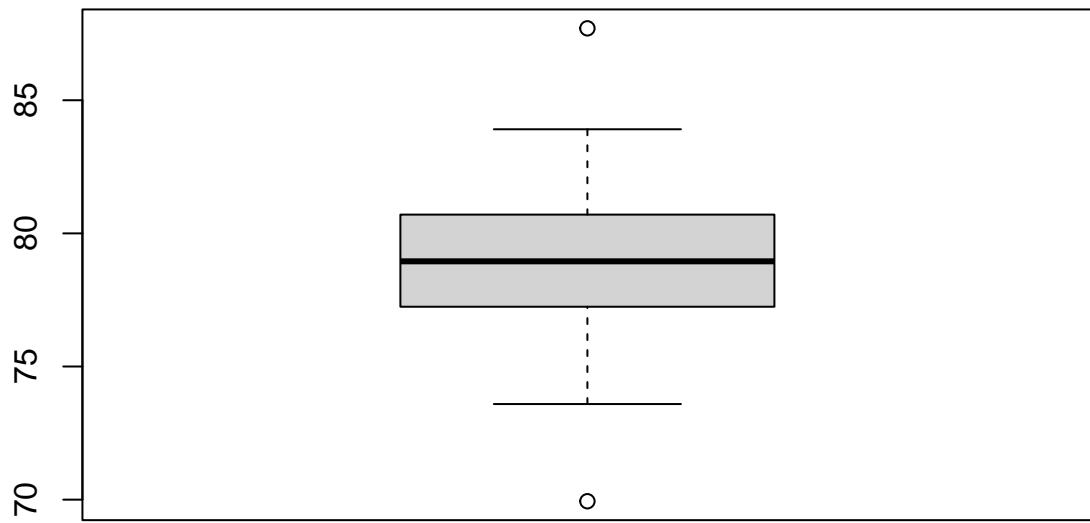
var(costal)

## [1] 9.339276

sd(costal)

## [1] 3.056023

boxplot(costal)
```



```
# Tanta variabilidad nos indica que la empresa no tiene un control de  
# calidad de su producto
```

```
t.test(costal, mu=80)
```

```
##  
## One Sample t-test  
##  
## data: costal  
## t = -2.3644, df = 43, p-value = 0.02264  
## alternative hypothesis: true mean is not equal to 80  
## 95 percent confidence interval:  
## 77.98157 79.83980  
## sample estimates:  
## mean of x  
## 78.91068
```