05_Ejercicio_Clase.R

Usuario

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```
# Diego David Flores Cadena
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# Matricula: 2070509


# Crear base de datos -----------------------------------------------------

x<-c(10.0, 8.0, 13.0, 9.0, 11.0, 14.0, 6.0, 4.0, 12.0, 7.0, 5.0)
y<-c(9.14, 8.14, 8.74, 8.77, 9.26, 8.10, 6.13, 3.10, 9.13, 7.26, 4.74)

d2<-data.frame(x, y)


# Estadísticas descriptivas -----------------------------------------------

mean(d2$x):var(d2$x)
```

```
## [1]  9 10 11
```

```
mean(d2$y):var(d2$y)
```

```
## [1] 7.500909 6.500909 5.500909 4.500909
```

```
# Aplicar correlación -----------------------------------------------------

cor.test(d2$x, d2$y)
```

```
##
##  Pearson's product-moment correlation
##
## data:  d2$x and d2$y
## t = 4.2386, df = 9, p-value = 0.002179
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.4239389 0.9506402
## sample estimates:
##       cor
## 0.8162365
```

```
# Gráfica -----------------------------------------------------------------

plot(d2$x, d2$y,
     pch=19,
     xlab = "Valor de x",
     ylab = "Valor de y",
     col="skyblue")
```