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# Matricula: 211690281-4
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# Carrera: 3 cdia
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```
# T2V5 - graficas de barras en R
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# Objetivo: hacer graficas de barras en r
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# ----- #
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```
En este ejercicio vamos a:
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```
# 1. graficas de barras con base graphics
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```
# 2. graficas de barras con ggplot2
```

```
#En la practica incluye captura de pantalla de los resultados obtenidos.
```

```
# cargando los datos
```

```
# viendo los datos data(mtcars)
```

```
# generando tabla agrupada
```

```
table(mtcars$cyl)
```

```
# grafica de barras basica
```

```
barplot(table(mtcars$cyl)) # editando grafica
```

```
de barras barplot(table(mtcars$cyl),
```

```
    horiz = "TRUE",    col =
```

```
"purple",    border =
```

```
"purple",    main = "grafica
```

```
de barras",    sub =
```

```
"subtitulo",    xlab =  
"cilindros",    ylab =  
"cantidad")
```

```
# cargar ggplot2 #  
install.packages("ggplot2")  
library(ggplot2)
```

```
# grafica de barras ggplot(data =  
mtcars,    mapping = aes(x =  
factor(cyl))) +  
  geom_bar()+  
coord_flip()
```

```
# guardando grafica en variable p <-  
ggplot(data = mtcars,  
mapping = aes(x = factor(cyl)))
```

```
# stacked bar chart p + geom_bar(position =  
"stack", stat = "count") # dogde bar chart p +  
geom_bar(position = "dodge", stat = "count")
```

```
# stacked + percent barchart p +  
geom_bar(position = "fill", stat = "count")
```