

TECNOLÓGICO NACIONAL DE MÉXICO
INSTITUTO TECNOLÓGICO DE TIJUANA
Subdirección Académica
Departamento de sistemas y computación

Semestre:
Agosto - Diciembre 2021

Carrera:
Ingeniería En Tecnologías De La Información Y Comunicaciones

Materia:
Minería de datos

Nombre del trabajo:
Practica 1 U1

UNIDAD A EVALUAR:
Unidad I

NOMBRE Y NÚMERO DE CONTROL DEL ALUMNO:
Victor Fabian Hernandez Lamarque | 16212536
Cristopher Arael Garcia Torres | 17210892.

NOMBRE DEL MAESTRO (A):
JOSE CHRISTIAN ROMERO

A total of 20 functions were searched for R in order to facilitate processes and tasks.

Functions in R:

#1. Get Square root

```
sqrt(64)
```

#2. Get data type

```
variable<-5
```

```
mode(variable)
```

3 get the current working directory

```
getwd()
```

#4. Extract characters from a text string

```
texto<-substring("Cadena de texto",3,7)
```

#5. Delete objects in memory

```
rm(name)
```

6. Create a data frame

```
expand.grid (a = c (60,80), p = c (100, 300), color = c ("White", "Blue"))
```

7. Create a vector with identical elements

```
rep (1,5)
```

8. Sequence of real numbers

```
seq (1,3,5)
```

9. Counts the total characters including spaces

```
ncaracteres <- nchar("Total de caracteres incluyendo espacios")
```

```
ncaracteres
```

10 create list

```
list <-list ("Car", "House", "Bicycle")
```

11. Get the absolute value

```
abs (-1)
```

12. Round out

```
round (15.6876,2)
```

13 get the factorial of a number

```
factorial (4)
```

14. Show details of objects in memory

```
ls.str ()
```

15 round down

```
floor (9.4)
```

```
# 16. Lets display a graph
  layout (matrix (1: 4, 2, 2))
  layout.show (4)
```

```
# 17 round up
  ceiling (9.9)
```

```
# 18. Product of the elements
  prod (5.5)
```

```
# 19 Convert text to uppercase
  text <- toupper ("Uppercase text")
  text
```

```
# 20 Convert text to lowercase
  LowercaseText <- tolower ("Lowercase text")
  print (Lowercase Text)
```