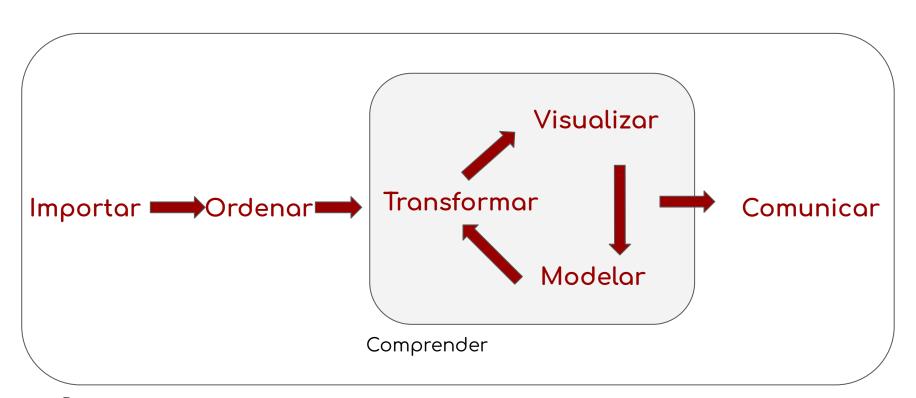
## "R para Ciencia de Datos" Manejar o Domar Datos



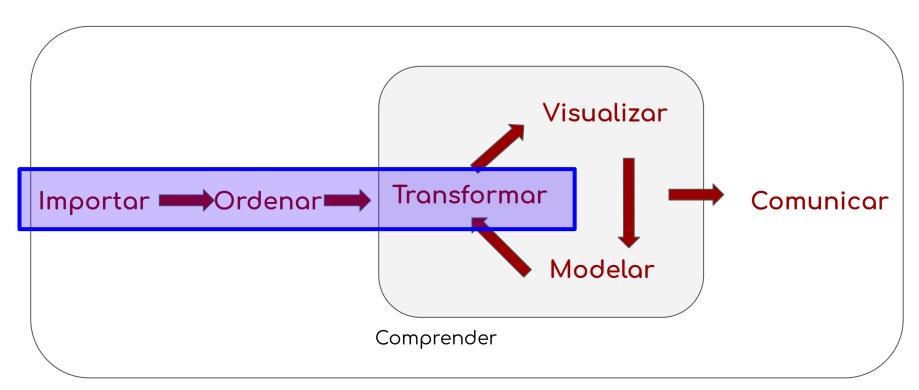
MSc. Ing. Ruth Chirinos

# Domar Datos (wrangling)

"Es el arte de tener tus datos en R de una forma conveniente para su visualización y modelado"



Programar



Programar



```
tibble(
 x = 1:5,
 y = 1,
 z = x^2 + y
#> # A tibble: 5 x 3
#>
       X
#> <int> <dbl> <dbl>
#> 1
#> 2
#> 3
                 10
       4 1 17
#> 4
#> 5
                 26
```

#### tibble vs data.frame

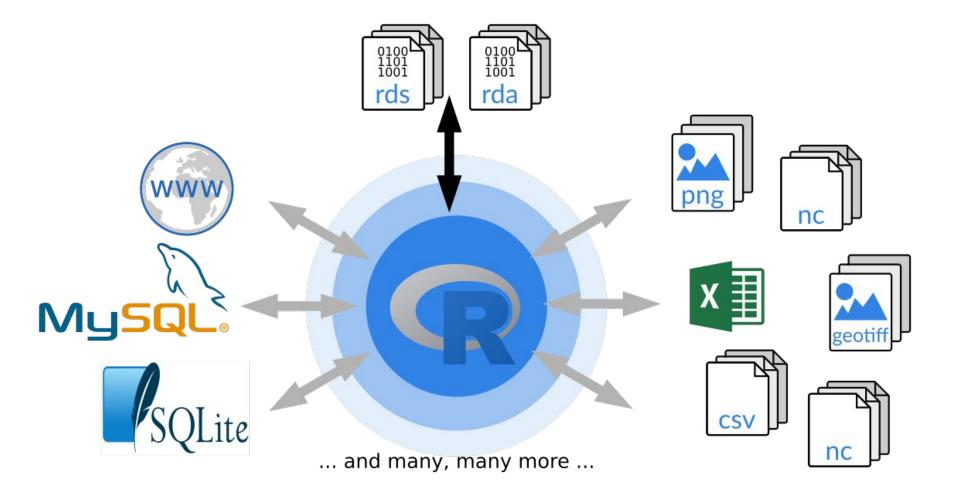
- 1. Impresion en consola
- 2. Selección de subconjuntos

#### tribble

```
tribble(
 ~x, ~y, ~z,
 #--|--|
 "a", 2, 3.6,
 "b", 1, 8.5
#> # A tibble: 2 x 3
#> x y
#> <chr> <dbl> <dbl>
#> 1 a 2 3.6
         1 8.5
#> 2 b
```

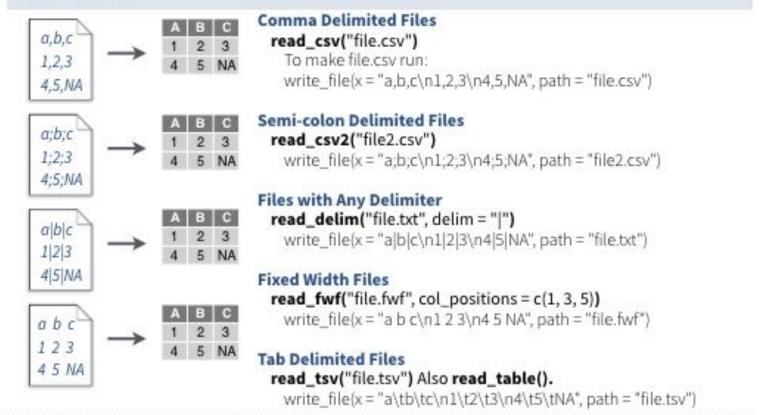


Importar Datos



#### Read Tabular Data - These functions share the common arguments:

read\_\*(file, col\_names = TRUE, col\_types = NULL, locale = default\_locale(), na = c("", "NA"),
 quoted\_na = TRUE, comment = "", trim\_ws = TRUE, skip = 0, n\_max = Inf, guess\_max = min(1000,
 n\_max), progress = interactive())



#### Save Data

```
Save x, an R object, to path, a file path, as:
```

```
Comma delimited file
 write_csv(x, path, na = "NA", append = FALSE,
   col names = !append)
File with arbitrary delimiter
 write_delim(x, path, delim = " ", na = "NA",
   append = FALSE, col_names = !append)
CSV for excel
 write_excel_csv(x, path, na = "NA", append =
   FALSE, col_names = !append)
String to file
 write_file(x, path, append = FALSE)
String vector to file, one element per line
 write_lines(x,path, na = "NA", append = FALSE)
Object to RDS file
 write_rds(x, path, compress = c("none", "gz",
   "bz2", "xz"), ....)
Tab delimited files
 write_tsv(x, path, na = "NA", append = FALSE.
   col_names = !append)
```

### Gracias!