

Análise de dados em



Manipulation com Dplyr

Agenda

- **Dplyr**
- **DataFrame e Tibble**
- **Manipulation**
- **Pipe**

Dplyr



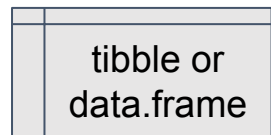
dplyr is a grammar of data manipulation, providing a consistent set of verbs that help you solve the most common data manipulation challenges

<https://nyu-cdsc.github.io/learningr/assets/data-transformation.pdf>

Tidyverse: Tibble

		Explanation
Name	Tibble	https://tibble.tidyverse.org/
Examples	<code>as.tibble(iris)</code>	
Operation/Functions	<code>select</code> <code>groupby</code> <code>filter</code> <code>arrange</code> <code>inner_join</code>	Select columns Aggregations by some columns Filter rows using expression Sort rows by values in column Join two data.frames by one/multiple columns
Verification	<code>is.tibble(tibble)</code>	

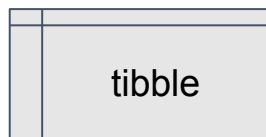
Tidyverse: Pipe %>%



select(**arg_1** , arg_2, arg_3,...)



filter(**arg_1** , arg_2, arg_3,...)



R Base

```
out1 <- select(iris, Petal.Length, Species)
out2 <- filter(out1, Petal.Length > 1.4)
```

Pipe

```
out2 <-
  iris %>%
  select(Petal.Length, Species) %>%
  filter(Petal.Length > 1.4)
```

Let's go to  **posit**™

Open manipulation
notebook