dplyr::**%>%**

Passes object on left hand side as first argument of function on righthand side.

`x %>% f(y)` *is the same as* `f(x, y)`

dplyr::**arrange(mtcars, mpg)**

Order rows by values of a column (low to high).

dplyr::**arrange(mtcars, desc(mpg))**

Order rows by values of a column (high to low).

dplyr::**rename(tb, y = year)**

Rename the columns of a data frame.

Summarise Data

dplyr::**summarise(iris, avg = mean(Sepal.Length))**

Summarise data into single row of values.

Group Data

dplyr::**group_by(iris, Species)**

Group data into rows with the same value of Species.
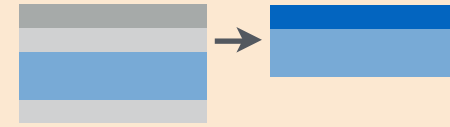
dplyr::**ungroup(iris)**

Remove grouping information from data frame.

iris %>% group_by(Species) %>% summarise(...)

Compute separate summary row for each group.
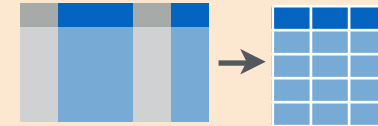

Subset Observations (Rows)

dplyr::**filter(iris, Sepal.Length > 7)**

Extract rows that meet logical criteria.

dplyr::**distinct(iris)**

Remove duplicate rows.

Subset Variables (Columns)

dplyr::**select(iris, Sepal.Width, Petal.Length, Species)**

Select columns by name or helper function.

Make New Variables

dplyr::**mutate(iris, sepal = Sepal.Length + Sepal. Width)**

Compute and append one or more new columns

iris %>% group_by(Species) %>% mutate(...)

Compute new variables by group.