# Recap 02 🦋

## Linear Regression with R

# Linear Regression: case studies

- We will use `Boston` and `Carseats` datasets for this practice.

- Purpose: study the **effects of different variables on** sales of car seats / house prices in Boston.

- **Different variables**:
    - qualitative variables
    - quantitative variables
    - interaction variables
    - dummy variables /categorical variables
    - continuous variables
    - etc.

- **Framework**:
    - Univariant Analysis (one variable) - distribution
    - Bivariant Analysis (two variables) - correlation/association(contingency table)
    - Multivariant Analysis (more than two variables) - regression