

## Insurance

### Problem Statement:

The objective of the insurance dataset is to predict charges. The datasets of several predictor (independent) variables and one target variable (charges)

### Dataset Information:

- 1) Age: Age of Primary Beneficiary
- 2) Sex: Insurance Contractor gender (female, male)
- 3) BMI: Body Mass Index, providing an understanding of body, weights that are relatively high or low relative to height, objective index of body weight ( $\text{kg} / \text{m}^2$ ) using the ratio of height to weight, ideally 18.5 to 24.9
- 4) Children: Number of children covered by health insurance / Number of dependents
- 5) Smoker: Smoking
- 6) Region: The beneficiary's residential area in the US, northeast, southeast, southwest, northwest.
- 7) charges: Individual medical costs billed by health insurance

### Learning Outcome:

The students will get a better understanding of how the variables are linked to each other and how the EDA approach will help them gain more insights and knowledge about the data that we have.