**Assignment-Regression Algorithm**

**Date:** 19.09.2024

1. Problem Statement: Prediction of Insurance Charges based on several input parameters
2. About the Dataset:

**No of Columns**: 6

**Input** – Age, Sex, BMI, No of Children, Smoker

**Output** -Insurance Charges

**No of rows:** 1338

1. Preprocessing Method:

Categorical data (Nominal) to Numerical data for the inputs

**One hot Encoding** for column expansion

1. **Sex** – Male/Female
2. **Smoker** (Yes/No)