ML Assignment 1 (Regression)

Perform EDA and build a model to predict medical insurance costs

1. Perform data cleaning
2. Deal with missing and duplicate values
3. Perform Exploratory data analysis
4. Explain which factors influence cost of medical insurance
5. Perform data preprocessing
6. Select best features for training the model (Feature engineering)
7. Train the model using several regression models and find the best model suitable for the problem
8. Use hyperparameter tuning to find best parameters for the algorithm
9. Evaluate the model using various evaluation metrics

Dataset link:

<https://drive.google.com/file/d/1Yns9la8cwR2d82Pm9g3or9th2RzodkxZ/view?usp=share_link>