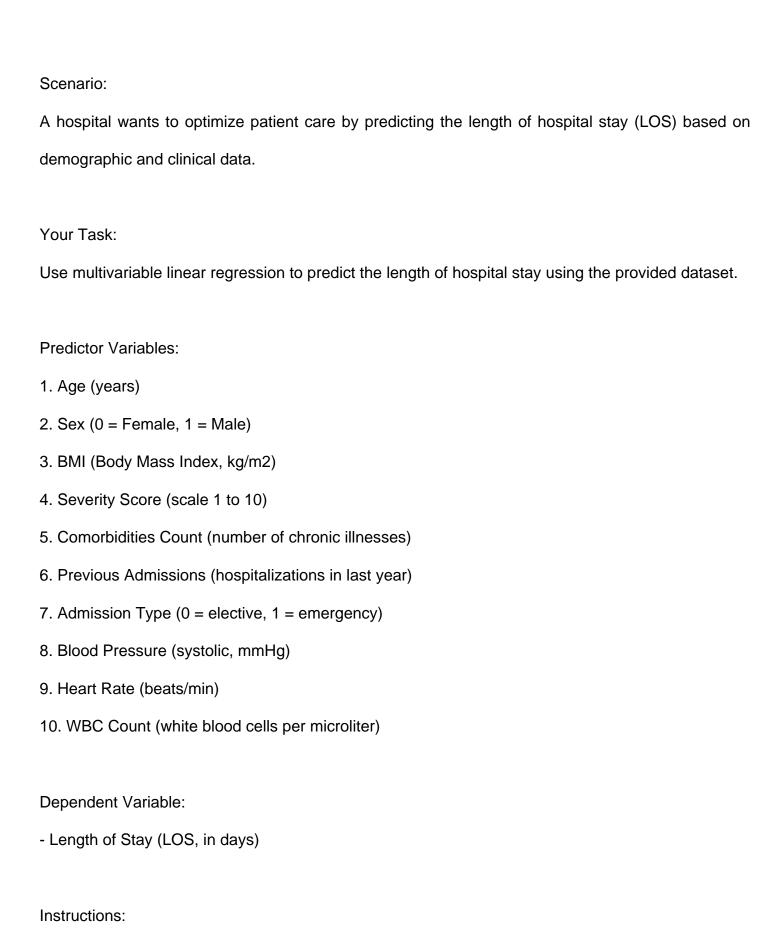
Healthcare Multivariable Linear Regression Assignment



1. Data Preparation:

- Perform exploratory data analysis (EDA).
- Handle missing values, if any.
- Encode categorical variables appropriately.

2. Model Building:

- Fit a multivariable linear regression model.
- Validate model assumptions: linearity, homoscedasticity, normality of residuals, and multicollinearity.

3. Evaluation:

- Use R-squared, Mean Squared Error (MSE), and Mean Absolute Error (MAE) for model evaluation.
 - Discuss significant predictors and their impact on LOS.

4. Reporting:

- Clearly document your findings, interpretations, and implications for hospital management.