



Linear Regression(Hands-on)

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Question : 1 Load the new_insurance_data file

Question : 2 Check the first 5 records on the dataframe

Question : 3 Apply attributes like shape, describe, info, columns, dtype etc

Question : 4 Apply appropriate function to check the missing values in the dataset

Question : 5 Store all the columns name to a variable 'col' in list format.

Question : 6 Use median and mode to fill the missing values in one go.

Question : 7 Draw the box plot to see all the outliers.

Question : 8 Use IQR method to remove the outliers from dataset

Question : 9 Check the shape to verify the outliers removal process

Question : 10 Apply multicollinearity to remove redundant columns

Question : 11 Check the shape of the dataset to verify the multicollinearity.

Question : 12 Apply train-test split to perform the model building part

Question : 13 Use Linear Regression al to build your model.

Question : 14 Fit your regression model

Question : 15 Check the r2 score of the model