

Module 5: Assignment 7 – Regression Line

Problem Statement:

You work in XYZ Corporation as a Machine Learning Engineer. After finding the RMSE value, now the corporation has asked you to analyze your model with the help of regression line.

Tasks to be performed:

1. After building the simple linear model on top of the train set for the city_temperature data frame, now do the following tasks:
 - a. Create a scatter plot with the help of ggplot2 package and plot Month on the y-axis and AvgTemperature on the x-axis of the graph.
 - b. Now plot the regression line on the scatter plot.
 2. After building the simple linear model on top of the train set for the Placement_Data_Full_Class data frame, now perform the following tasks:
 - a. Create a scatter plot with the help of ggplot2 package and plot etest_p on the y-axis and status on the x-axis of the graph.
 - b. Now plot the regression line on the scatter plot.
 3. After building the simple linear model on top of the train set for the Pharmacovigilance_audit_Data data frame, now perform the following tasks:
 - a. Create a scatter plot with the help of ggplot2 package and plot Age on the y-axis and DrugID on the x-axis of the graph.
 - b. Now plot the regression line on the scatter plot.
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