**Solution Sheet**

1. Which model have you used for Total IPL 2020 Runs prediction for each player? Explain your model.

A.I have used Multilinear Regression because:

* Since we have to predict continuous values and not just binary values, this is a regression problem and not a classification problem
* After analyzing the data, most of the columns explaining the variability of the data showed linear patterns and some others could be transformed to linear data using various techniques.

In simple terms, Multilinear Regression uses several explanatory variables to predict the outcome of a target variable.

The Biggest Challenge to implementing Multilinear Regression(and most models) is not creating the model itself but checking if the data or getting the data ready to be fed into the model ,In technical terms if said is Preprocessing the Data.

We can use Multilinear Regression if the following Assumptions are not Violated:

1.Linearity

2.No endogeneity

3.Normality and Homoscedasticity

4.No Autocorrelation

5.No multicollinearity

Achieving these Assumptions is the great work of preprocessing.

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