

Six Jars Of Linear Regression:-

1. Data:-

- Data Cleaning
- Data Encoding(**If There Are Any Categorical Features Present**)
- Data Splitting
- Data Scaling (**Data Scaling Is Not Mandatory For Linear Regression**)

2. Task :-

- Import And Use Linear Regression For Model Building

3. Model :-

- Build A Model And Do Prediction
- The Main Aim Of LR Is To Find Linear Relationship Between Target And Features
- Find Linear Relationship By Plotting Or Correlation
- If Correlation Is >0.2 Or <-0.2 Means There Is Linear Regression
- If There Is No Linear Relationship We Try To Transform The Data

4. Loss Function :-

- MSE(Mean Squared Error)- **Use When Less Or No Outliers**
- MAE(Mean Absolute Error)- **Use When Much Outliers**

5. Learning Algorithm :-

- Gradient Descent

6. Evolution Metrics / Accuracy :-

- R2 Score(**We Use R2 Score To Check The Accuracy Of Our Model**)