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Simple Linear Regression

Dataset: Salary

Model: Linear Regression

Steps: Model Fitting, Model Evaluation

Model Fitting

- ❖ Basic Linear Regression model is used from sklearn library
- ❖ Dataset is available on Kaggle: Salary Dataset
- ❖ Model Evaluation is done (Residual Plot, R Squared, RMSE)

Model Evaluation

Model Evaluation	Residual Plot	R Squared	RMSE
Observations	Residual Plot is random scattered	R Square = 0.9627	RMSE = 30310299.04
Condition	Residual Plot should be randomly scattered. In case it is skewed, it shows biasness	High R Square - model represents variance of dependent variables Low R Square - model does not represent variance of dependent	High RMSE — bad Low RMSE — good
Inference	No biasness	Model is explained by dependent variables	<i>RMSE is very high for this model</i>