1) Delivery\_time -> Predict delivery time using sorting time

2) Salary\_hike -> Build a prediction model for Salary\_hike

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Build a simple linear regression model by performing EDA and do necessary transformations and select the best model using R or Python.

**ANSWERS**:-

1) **Inference** : Delivery time is predicted using sorting time and the best model selected is **model 3** which is transformed using squared tranformation.

**Root mean square error**: **2.732**

**Rsquare: 0.696**

This model's **Root mean square error is lower** compared to the other two models which means that there are **smaller deviations between predicted and actual values.**

**Rsquare error** value is also **good** compared to the other models.

2) **Inference** : A prediction model is built and the best model selected is model 1 since its r2score is 95%.

**Root mean square error**: **5592.044**

**Rsquare**: **0.957**

This model's **Root mean square error is lower** compared to the other two models which means that there are **smaller deviations between predicted and actual values.**

**Rsquare error** value is also **good** compared to the other models.