**Linear Regression Implementation**

Parameters-

1. **fit\_intercept : *bool, default=True***

Whether to calculate the intercept for this model. If set to False, no intercept will be used in calculations (i.e. data is expected to be centered).

Ideally we should use the fit\_intercept also plays important role.

IMP Interview questions-

A) Do we have to standardize or normalize the data?

🡪 In linear regression gradient descent is formed so we are supposed to standardize the data. For standardization we use standard scalar.

Std value=(value-mean)/std deviation

B) How can we do hyperparameter tuning in linear regression?

🡪 As we could see very few parameters are there in linear regression either we can directly go for ridge, lasso, elasticNet which are upgrades of linear regression. Or we can use cross validation with pure models.