**Linear Regression:**

**Prediction on test data**

The R2 score tells us that 78% of the variation in y can be explained by the dependence on X

**Prediction on 30 days data**

The R2 score tells us that 80% of the variation in y can be explained by the dependence on X.

**Grid Search to find optimum parameters**

The R2 score has increased from 80% to 71%.

**MLP Regressor model**

**Prediction on test data**

The R2 score tells us that 78% of the variation in y can be explained by the dependence on X

**Prediction on 30 days data**

The R2 score tells us that 80% of the variation in y can be explained by the dependence on X.

**Grid Search to find optimum parameters**

The R2 score has deccreased from 80% to 73%.