When n\_neighbors=2

train\_rmse

0.0289562206587

test\_rmse

0.0343122479674

[Finished in 3.1s]

When n\_neighbors=2 ,weights='distance'

train\_rmse

0.0

test\_rmse

0.0302479625088

[Finished in 3.2s]

When n\_neighbors=2 ,p=1

train\_rmse

0.0289562206587

test\_rmse

0.0277894109411

[Finished in 3.1s]

When n\_neighbors=2 ,p=1,weights='distance'

train\_rmse

0.0

test\_rmse

0.0225770502838

[Finished in 3.2s]

**Cross\_val\_predict:**

**using best parameter, RMSE is:**

**0.022576992019**