```
Training loading ..........

Preprocessing start  ..........

making Score matrix
25
Testing loading ..........

Preprocessing start  ..........

making Score matrix
Converting to numpy.......

Predict Model Uing only ngram (1,2) .......

SVR Model

Results of sklearn.metrics:
MAE: 0.15420231425785522
MSE: 0.03564448169602555
RMSE: 0.18879746210165418
R-Squared: 0.24403539128098206
pearson corr. , p valve = (0.5213387096617955, 5.2398190078086253e-51)
SpearmanrResult(correlation=0.5180978734362142, pvalue=2.7262163258271837e-50)


MLP Model
Results of sklearn.metrics:
MAE: 0.1491808847131856
MSE: 0.034485458147149914
RMSE: 0.18570260673224248
R-Squared: 0.2686164973016536
pearson corr. , p valve = (0.5423762096602273, 7.5268301320991715e-56)
SpearmanrResult(correlation=0.543807341000414, pvalue=3.424538806360882e-56)


Decision Tree Model
Results of sklearn.metrics:
MAE: 0.16977000903849643
MSE: 0.043638633474434356
RMSE: 0.20889862008743465
R-Squared: 0.07449173308608392
pearson corr. , p valve = (0.31763165999596876, 3.355452417780279e-18)
SpearmanrResult(correlation=0.318635224628867, pvalue=2.5976275917146976e-18)




Predicting Model using 25 features
SVR Model

Results of sklearn.metrics:
MAE: 0.17742412622348674
MSE: 0.04607960844879681
RMSE: 0.21466161382230595
R-Squared: 0.022722409937458
pearson corr. , p valve = (0.19697552733607196, 1.1194175741189455e-07)
SpearmanrResult(correlation=0.1865694541856673, pvalue=5.148519142730844e-07)
```

MLP Model

Results of sklearn.metrics:
MAE: 0.18284210313120092
MSE: 0.04741797267967832
RMSE: 0.2177566822847885
R-Squared: -0.005662235987543118
pearson corr. , p valve = (nan, nan)
SpearmanrResult(correlation=nan, pvalue=nan)

Decision Tree Model

Results of sklearn.metrics:
MAE: 0.15968567512203988
MSE: 0.040883207394900395
RMSE: 0.20219596285509855
R-Squared: 0.13293008031281117
pearson corr. , p valve = (0.4383043152720539, 7.05531524620142e-35)
SpearmanrResult(correlation=0.45110600756632996, pvalue=4.382397244566772e-37)

Predicting Model using N Gram + 25 features
Concating all features....
SVR Model

Results of sklearn.metrics:
MAE: 0.17757793924585455
MSE: 0.04611337337708508
RMSE: 0.21474024629092023
R-Squared: 0.022006307764349087
pearson corr. , p valve = (0.19550195025328704, 1.3965230496978573e-07)
SpearmanrResult(correlation=0.18433647020678848, pvalue=7.06583659363074e-07)

Decision Tree Model

Results of sklearn.metrics:
MAE: 0.15420582475287037
MSE: 0.038273718657372065
RMSE: 0.1956367006912866
R-Squared: 0.18827332107712413
pearson corr. , p valve = (0.4703478462738523, 1.3908144994156254e-40)
SpearmanrResult(correlation=0.46313359681322297, pvalue=3.027723298545886e-39)

MLP Model

Results of sklearn.metrics:
MAE: 0.18284197804835808
MSE: 0.04741786415841712
RMSE: 0.21775643310455173
R-Squared: -0.00565993441858037
pearson corr. , p valve = (-0.01639175516424645, 0.6619210534168055)
SpearmanrResult(correlation=-0.017898403885253412, pvalue=0.6330349056852493)