**Boston Housing Price Prediction with Python** (By Mohammadreza Mashouf)

The results which is token from different methods (whit first 350 rows for training sample and the rest for testing) are as below:

1. Linear regression \_ no feature has been removed:

* **Train Score: 0.87**
* **Test Score: - 7.22**

1. Linear regression \_ features below with correlation out of range (-0.7 to 0.7) have been removed:

*['INDUS', 'DIS', 'NOX', 'TAX']*

* **Train Score: 0.85**
* **Test Score: -2.57**

1. Linear regression \_ features below with least chi2 feature score have been removed:

*['NOX', 'RM', 'PTRATIO', 'CHAS']*

* **Train Score: 0.60**
* **Test Score: -11.18**

1. Random Forest Regressor\_ no feature has been removed:

* **Train Score: 0.99**
* **Test Score: 0.24**

1. Random Forest Regressor\_ features below with least chi2 feature score have been removed:

*['NOX', 'RM', 'PTRATIO', 'CHAS']*

* **Train Score: 0.97**
* **Test Score: 0.54**