U UDACITY

‹ Back to Machine Learning Engineer Nanodegree

Predicting Boston Housing Prices

REVIEW
HISTORY

Meets Specifications

Great work..!!

You have read my previous comments and improved your answers. I would still urge you to dive deeper and read the materials that I provided in the last review. Keep up the good work. 😃

Thanks and do rate my review.

Happy Learning..!!

Data Exploration

All requested statistics for the Boston Housing dataset are accurately calculated. Student correctly leverages NumPy functionality to obtain these results.

Student correctly justifies how each feature correlates with an increase or decrease in the target variable.

Wow..!! You understand the features and their relationships well. 😃

Developing a Model

Student correctly identifies whether the hypothetical model successfully captures the variation of the target variable based on the model's R^2 score.
The performance metric is correctly implemented in code.

Good work here..!! 😃

Student provides a valid reason for why a dataset is split into training and testing subsets for a model.
Training and testing split is correctly implemented in code.

Correct..!! Great explanation..😃

Analyzing Model Performance

Student correctly identifies the trend of both the training and testing curves from the graph as more training points are added. Discussion is made as to whether additional training points would benefit the model.

Student correctly identifies whether the model at a max depth of 1 and a max depth of 10 suffer from either high bias or high variance, with justification using the complexity curves graph.

You didnot make any changes to the previous answer here.. well you needed to explain why `max_depth=1` is a high bias scenario.

The reason is that both train and test scores collectively low. This implies that the model is not able to fully understand the relations in the data.

Student picks a best-guess optimal model with reasonable justification using the model complexity graph.

Evaluating Model Performance

Student correctly describes the grid search technique and how it can be applied to a learning algorithm.

Great explanation..!! 😃

Student correctly describes the k-fold cross-validation technique and discusses the benefits of its application when used with grid search when optimizing a model.

application when used with grid search when optimizing a model.

Good work..!! You understand k-fold CV well. 😃

Student correctly implements the `fit_model` function in code.

Student reports the optimal model and compares this model to the one they chose earlier.

Student reports the predicted selling price for the three clients listed in the provided table. Discussion is made for each of the three predictions as to whether these prices are reasonable given the data and the earlier calculated descriptive statistics.

Good discussion..!! 😃

Student thoroughly discusses whether the model should or should not be used in a real-world setting.

⬇ DOWNLOAD PROJECT

RETURN TO PATH

Student FAQ