UDACITY

Sair

PROJETO

Predicting Boston Housing Prices

Uma parte do Machine Learning Engineer Nanodegree Program

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Meets Specifications

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Data Exploration

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

Good work using numpy functions to calculate the requested statistics. Some functions have a slight difference from the standard functions; for example, `prices.std()` would use the entire population (`n` instead of `n-1`) by default, while `numpy.std()` uses sample population (`n-1`).

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

Good job here, `LSTAT` correlates with a lower `MDEV`, higher `RM` correlates with a higher `MDEV`, but for `PTRATIO`, I'd say it is hard to justify either direction. As shown in the plot result below, PTRATIO does not show any strong correlation with MEDV so its correlation can be argued either way:

```
import matplotlib.pyplot as plt
plt.plot(features.PTRATIO , prices , 'bo') # Blue
plt.plot(features.RM,prices,'go') #Green
plt.plot(features.LSTAT , prices , 'ro') #RED
```

Above code will produce following plot: