Summer Python '23 Random Forest Exercise

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Open the California Housing Data and perform various regressions similar to how it is done in california_housing_linear.py

- #1.) Use from sklearn.tree import DecisionTreeRegressor to train a decision tree to predict median home values given 'AveBedrms', 'Latitude', 'Longitude'. Report RMSE and R^2 for both training and testing. What depth of tree works well?
- #2.) Use from sklearn.ensemble import RandomForestRegressor to train a random forest to predict median home values given 'AveBedrms', 'Latitude', 'Longitude'. Report RMSE and R² for both training and testing. What depth of tree works well?
- #3.) Repeat parts #1.) and #2.) adding 'MedInc' to the explanatory variables.