

Model Metrics - RandomForestRegressor()

Target Variable = 'VacancyRate%'

final model features	parameters	hyperparameters	performance metrics
<ul style="list-style-type: none">● Zipcode● RentPrice● Year● SizeRank● HomePrice● Dummy Variables<ul style="list-style-type: none">○ State○ City○ Metro○ CountyName	<i>(n_estimators=100, *, criterion='mse', max_depth=None, min_samples_split=2, min_samples_leaf=1, min_weight_fraction_leaf =0.0, max_features='auto', max_leaf_nodes=None, min_impurity_decrease= 0.0, min_impurity_split=None, bootstrap=True, oob_score=False, n_jobs=None, random_state=None, verbose=0, warm_start=False, ccp_alpha=0.0, max_samples=None)</i>	n/a	<p><u>5 fold CV scores:</u> Mean - 0.94, Std - 0.02</p> <p><u>MAE (test set)</u> 1.46, compared to DummyRegressor MAE of 5.18</p> <p><u>MSE (test set)</u> _ Compared to DummyRegressor MSE of 58.8</p> <p><u>R2 (test set)</u> 0.92</p> <p><u>Adjusted R2 (test set)</u> 0.78</p>