1. When assessing the models, we noticed a slight increase in the R2 scoring for Ridge regression when compared to Linear Regression. However, there's no noticeable difference with the RSS scoring among the two regression methods. They both consider the same grid and data.

2. Best Hyperparameters: {'alpha': 0.011999999999999999, 'fit_intercept': True, 'normalize': True, 'solver': 'lsqr'}

3. Baseline —> RSS: 1308.1884346839277 || R2: 0.321 +/- (0.054)

Best —> RSS: 1308.5409648590435 || R2: 0.3333967395697345

4. https://machinelearningmastery.com/hyperparameter-optimization-with-random-search-and-grid-search/
https://scikit-learn.org/stable/modules/generated/sklearn.linear_model.Ridge.html#sklearn.linear_model.Ridge.set_params

5. Python 3.9.1

sklearn.model_selection import GridSearchCV, RepeatedKFold

sklearn.neighbors import KNeighborsClassifier

sklearn.model_selection import KFold

sklearn.model_selection import cross_val_score

sklearn.linear_model import LinearRegression

sklearn.model_selection import train_test_split

sklearn.linear_model import Ridge

scipy.stats import loguniform