Use the [Kaggle King County house sales dataset](https://library.startlearninglabs.uw.edu/DATASCI410/Datasets/kc_house_data.csv) to perform the following:

* 1. Construct and invert a model matrix
  2. Perform regression and determine:
     1. Error bounds on model parameters by classical methods
     2. Error bounds on model parameters by bootstrap estimation
     3. Evaluate model performance
     4. Improvements to the model using feature selection
     5. Improvements to the model using SVD and Ridge/Lasso regression
     6. Perform simulation from the model
     7. Construct and evaluate a Bayesian regression model
     8. Compare the performance and ability to generalize for the models

Original source: <https://www.kaggle.com/harlfoxem/housesalesprediction>