

This document gives brief overview of the business problem and the programming approach to solve the same.

The dataset here is an adaption from Zillow's Home Value Prediction competition data from Kaggle and the aim here is to predict whether the pricing of the house would be above or below the median house price. There are about 10 features like no. of bedrooms, garage area, fireplace etc. and the dataset has about 1500 instances.

We use Deep Learning model use KERAS library of Python, here to build the model to predict the class of the each house. During the course of model building, compiling and evaluation the model, we also demonstrate the application for the regularization. Even a simple, 2-layerd model with just 32 neurons also shows a good accuracy of about 90% on both validation and testing datasets.