



Capstone Project 1: Zillow Home Value Prediction

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Overview

Buying a house is a massive investment and can carry with it a great deal of risk. Having accurate models which forecast home values based on empirical data can help both home buyers and financial institutions make the sound decisions.

Goals


1. Analyze data about the housing and real estate market in the USA provided by Zillow.
2. Use this data to build and train a model to predict the value of real estate.

Specifications

I. Dataset

The Zillow real estate dataset contains information for real estate transactions over the period of two years in three counties in California.

II. Justification



Shifting real estate markets can put unprepared home buyers in untenable positions as their mortgages changed based on new market values. In the worst case a buyer may even face foreclosure and lose their home. Being able to make informed decisions about future values of property can help buyers and financial institutions avoid risky scenarios.

Using the model I am to produce a buyer will be able to know if they can afford a property not just at current market values but also in the future and not be taken by surprise. Additionally a financial institution would be able to know how risky a loan to a buyer would be.