

Introduction and Business Problem

As a cultural, financial, and commercial center of Northern California, San Francisco is a very attractive location people choose to live and work. Its attractiveness is also the reason for very high real estate prices. However, issuing building permits is one reason for the discrepancy in demand and supply in real estate.

Here we will explore the best San Francisco neighborhood to live in, real estate prices, and time to get building permits. By examining those, our goal is to find the best office location for a home renovation business.

Data Description

We will be using three data sets to determine the best location for the home renovation business:

1. San Francisco Building Permits available on Kaggle (<https://www.kaggle.com/aparnashastry/building-permit-applications-data>). This data set contains a list of 200,000 building permits issued in San Francisco between 2013 and 2018, with the type of work, permit field date, permit issue date, and location.
2. We'll use Foursquare to determine the popularity of the location. The longitude and latitude of each San Francisco's neighborhoods can be found in San Francisco Building Permits dataset. We want to see if there is a relationship between area popularity and real estate pricing.
3. Finally, we'll use Condo and Housing Average Prices dataset from Zillow (<https://www.zillow.com/research/data/>), where we can find the average price for homes and condos by zip code.