

Predicting House Prices

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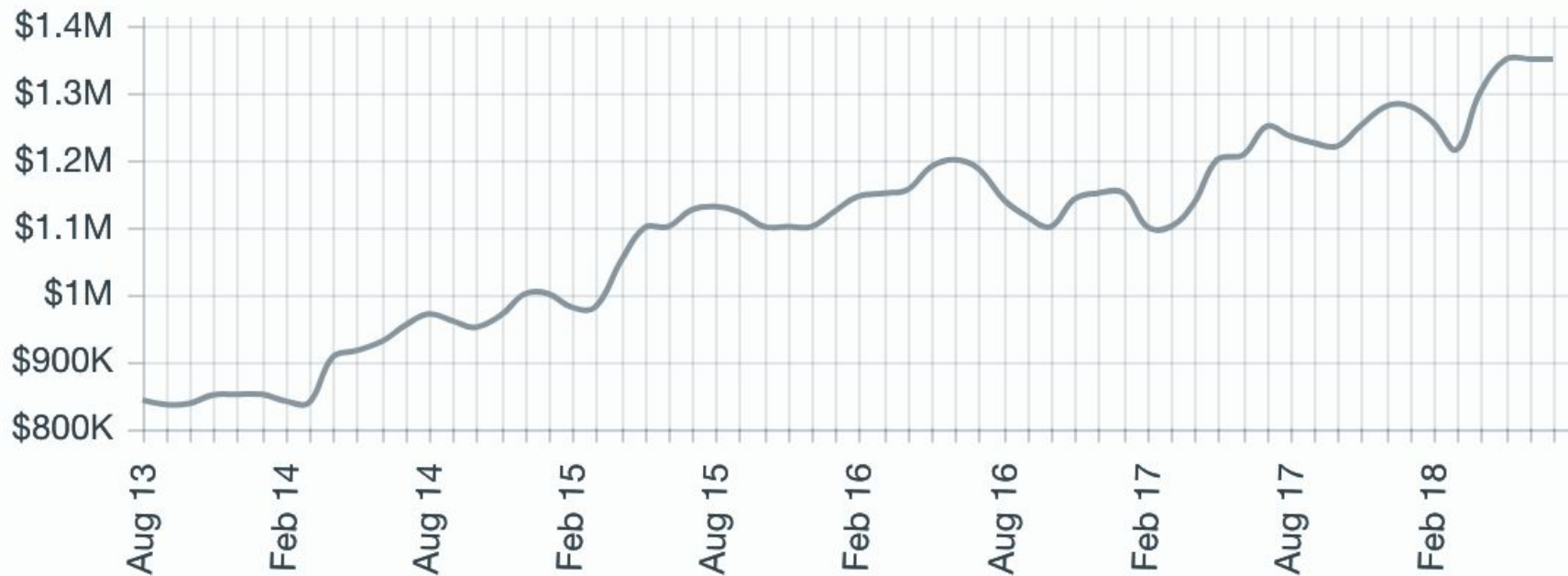
**How much to
spend on a house?**

**How much is my
house worth?**



Real Estate Market Trend in San Francisco

Median Sales Price



Approach

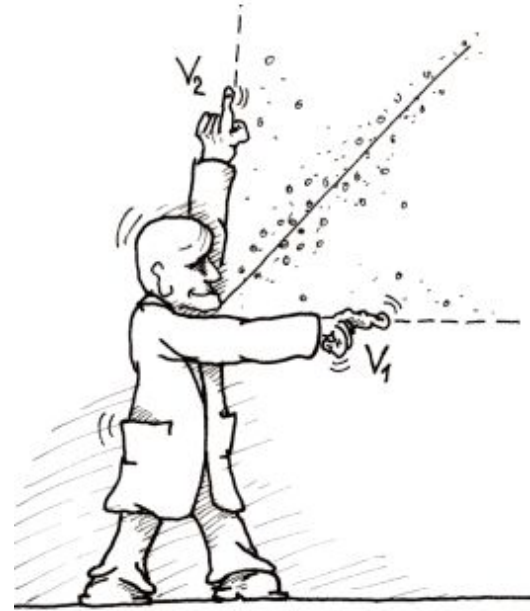


REDFIN



Sold in 2018

Located in San Francisco



Features



Type



Cooling



Number of Bedrooms



Heating



Number of Bathrooms



HOA



Parking Space



Year Built




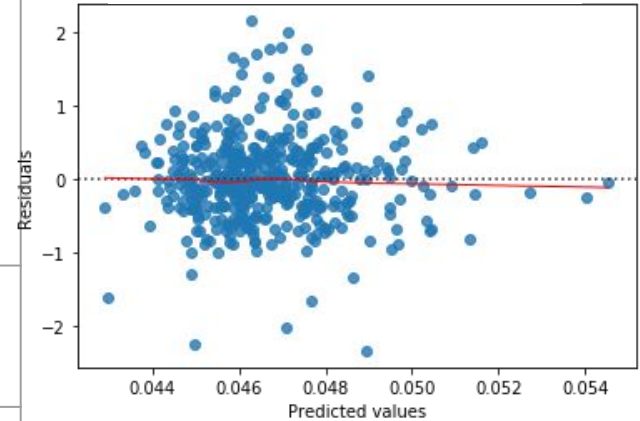
Sqft



Zip Code

Model Performance

	Adjusted R Squared (Goodness of Fit)	RMSE
 Model 1	0.743	\$ 629,856.27
Model 2	0.722	\$ 1,956,088.74



Residual Plot for Model 1



My Estimation

\$2M - \$2.5M

vs

Zestimate

\$ 2.1M

Sold Price

\$ 1,750,000

Future Work

- More features
 - Demand and Supply
 - Interest Rate of That Year
 - Demographic Data
- Interpretation of the Coefficient of the features
- Ease of use



Thank You!

