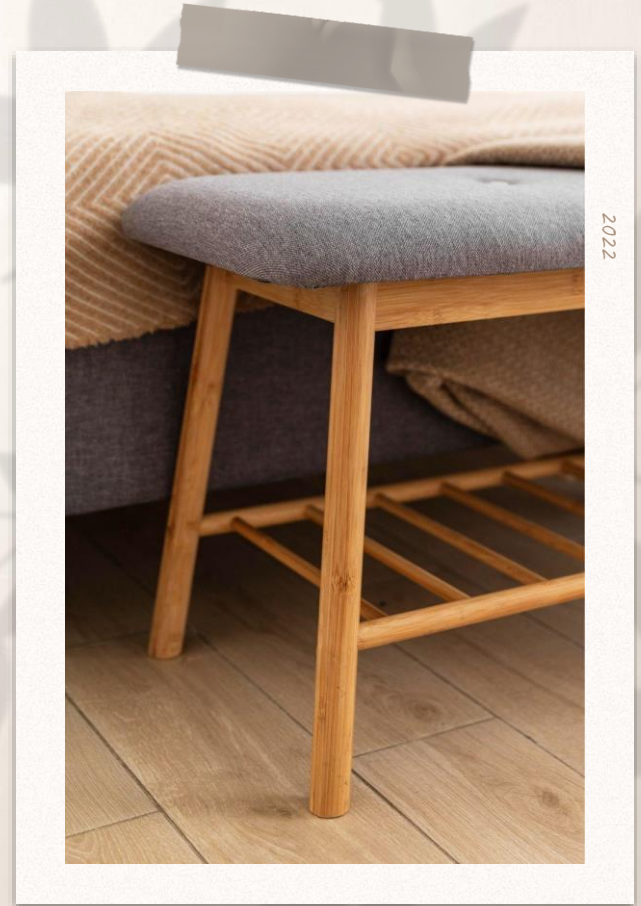


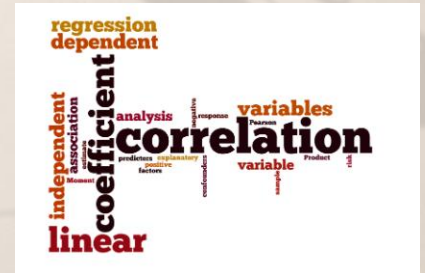
Predicting House Prices

By Abdul Mawar



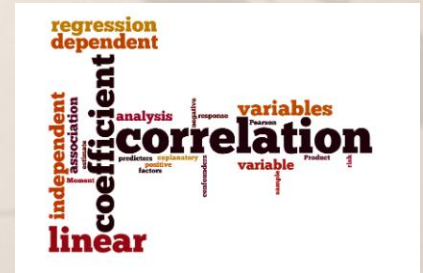
Objective

- Data driven statistical analysis
- Model to predict the house prices in KC



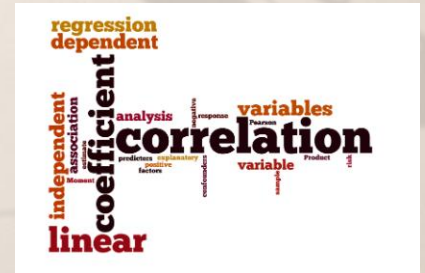
Value

- Better understanding of what affect house price in KC
 - Effective marketing campaign
 - Competitive price advantage



Methodology

- Obtain and analyse data
- Investigate data features
- Create prediction model



Data

	price	bedrooms	bathrooms	sqft_living	sqft_lot	floors	waterfront	condition	grade	yr_built
0	221900.0	3	1.00	1180	5650	1.0	NaN	3	7	1955
1	538000.0	3	2.25	2570	7242	2.0	0.0	3	7	1951
2	180000.0	2	1.00	770	10000	1.0	0.0	3	6	1933
3	604000.0	4	3.00	1960	5000	1.0	0.0	5	7	1965
4	510000.0	3	2.00	1680	8080	1.0	0.0	3	8	1987

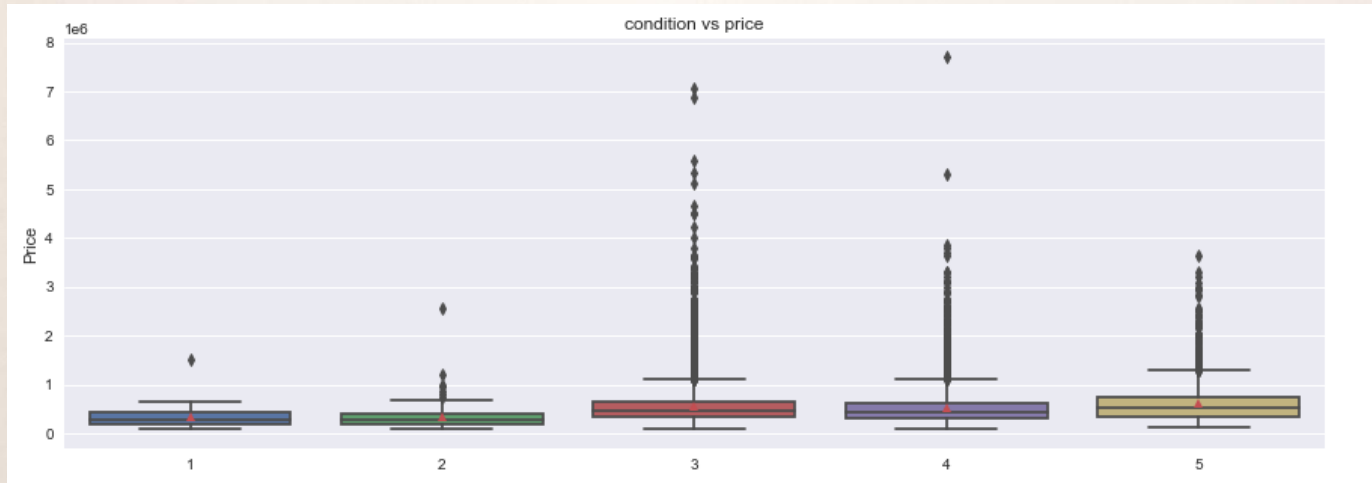
Data Inspection

Waterfront Vs Price

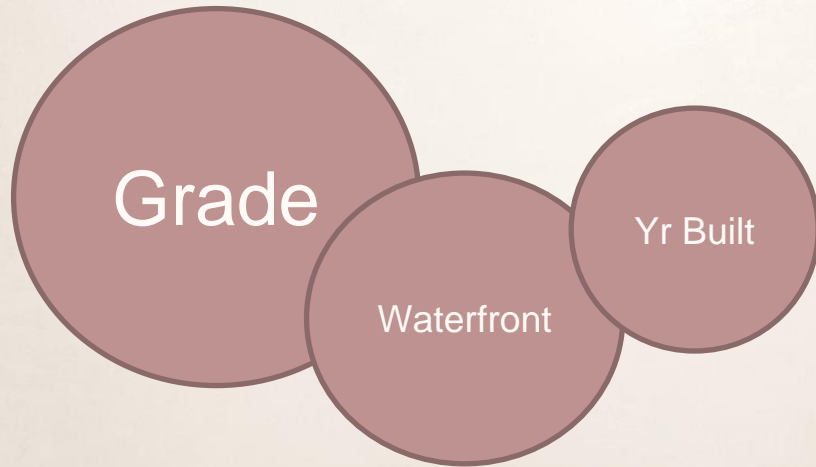


Data Inspection

Condition Vs Price



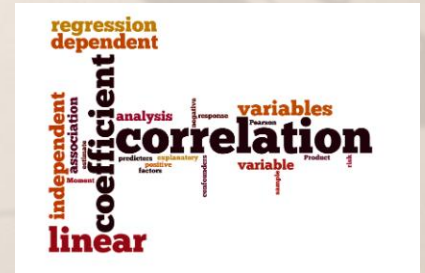
Best Predictors



	coef
Intercept	11.5996
bedrooms	0.0080
bathrooms	0.1264
floors	0.1614
condition	0.2276
grade	3.0329
yr_built	-0.7593
waterfront	0.5946

Recommendation

- Location analysis
- School proximity analysis



Thank you for listening

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https://github.com/amawar/Phase_2.git

