

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is light green. They are positioned diagonally, with the blue one partially covering the green one.

# Predicting House Prices with the King's County Housing Data Set

Module 1: Exploratory Data Analysis  
-Sarabi Eventide

Which house costs more?





Maximize profits

Purpose



1. Clean the Data
2. Explore the Relationships
3. Model the Data
4. Make Predictions






id	1	-0.017	0.0067	0.0083	-0.011
price	-0.017	1	0.32	0.53	0.7
bedrooms	-0.0067	0.32	1	0.53	0.59
bathrooms	-0.0083	0.53	0.53	1	0.75
sqft_living	-0.011	0.7	0.59	0.75	1
sqft_lot	-0.13	0.085	0.03	0.08	0.17
floors	-0.019	0.26	0.19	0.51	0.36
waterfront	-0.0041	0.27	0.0017	0.066	0.11
view	-0.016	0.4	0.088	0.19	0.29
condition	-0.022	0.037	0.021	-0.13	-0.059
grade	-0.0088	0.67	0.37	0.67	0.76
sqft_above	-0.011	0.61	0.5	0.69	0.88
yr_built	-0.024	0.054	0.16	0.51	0.32
zipcode	-0.01	-0.05	-0.16	-0.2	-0.2
lat	-0.0084	0.31	-0.013	0.027	0.055
long	-0.021	0.022	0.14	0.22	0.24
sqft_living15	-0.0017	0.58	0.4	0.57	0.76
sqft_lot15	-0.14	0.081	0.029	0.081	0.18
	id	price	bedrooms	bathrooms	sqft_living



Price = Grade + Square Footage (Living Space)


$$\text{price} = -601518.57 + (97905.64 * \text{grade}) \\ + (188.74 * \text{sqft\_living})$$

The numbers



Which house costs more?





- Location, Location, Location
- Effects of renovation

Next Steps



Questions, comments, concerns?