

King County

Homebuyer Help

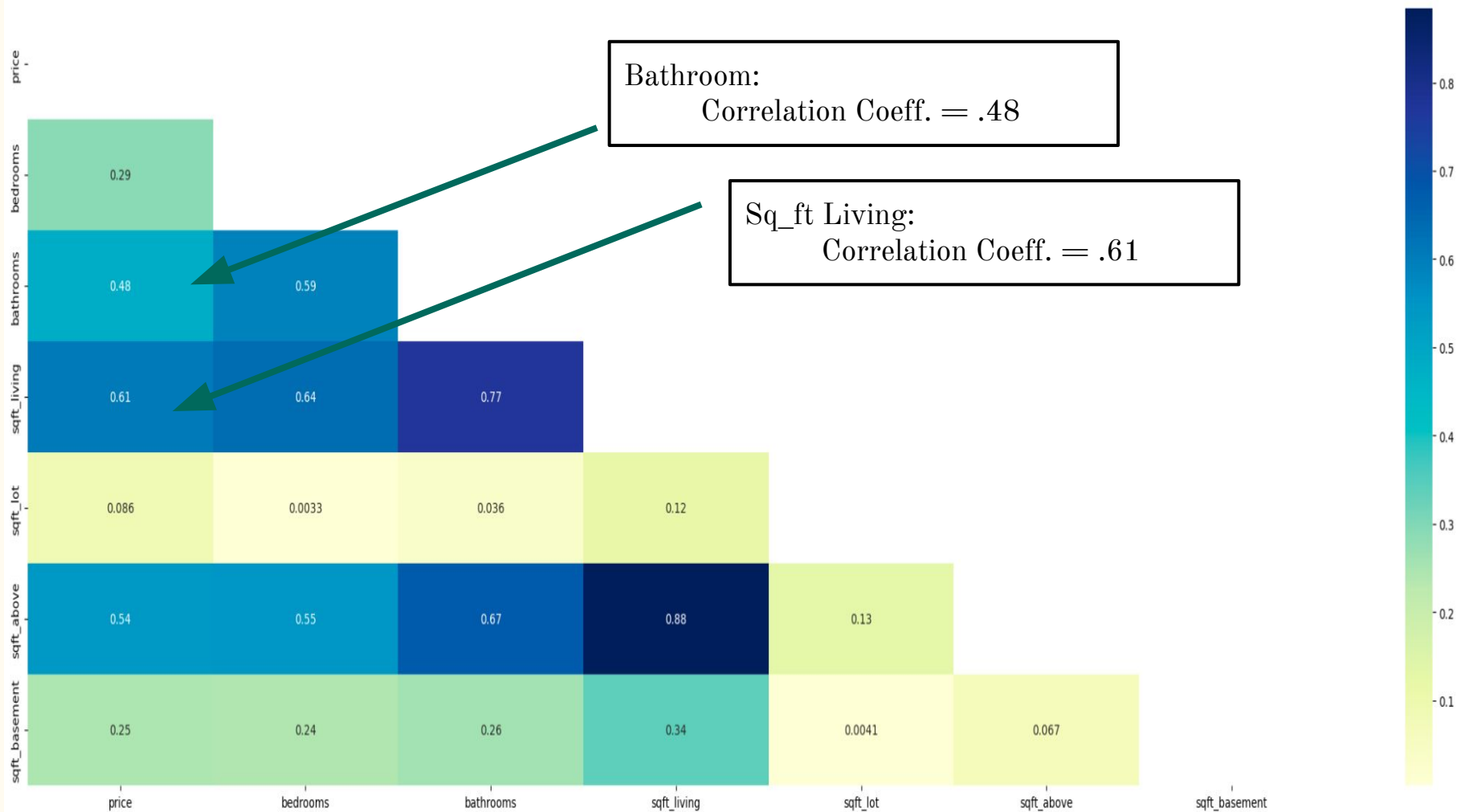


Business Story:

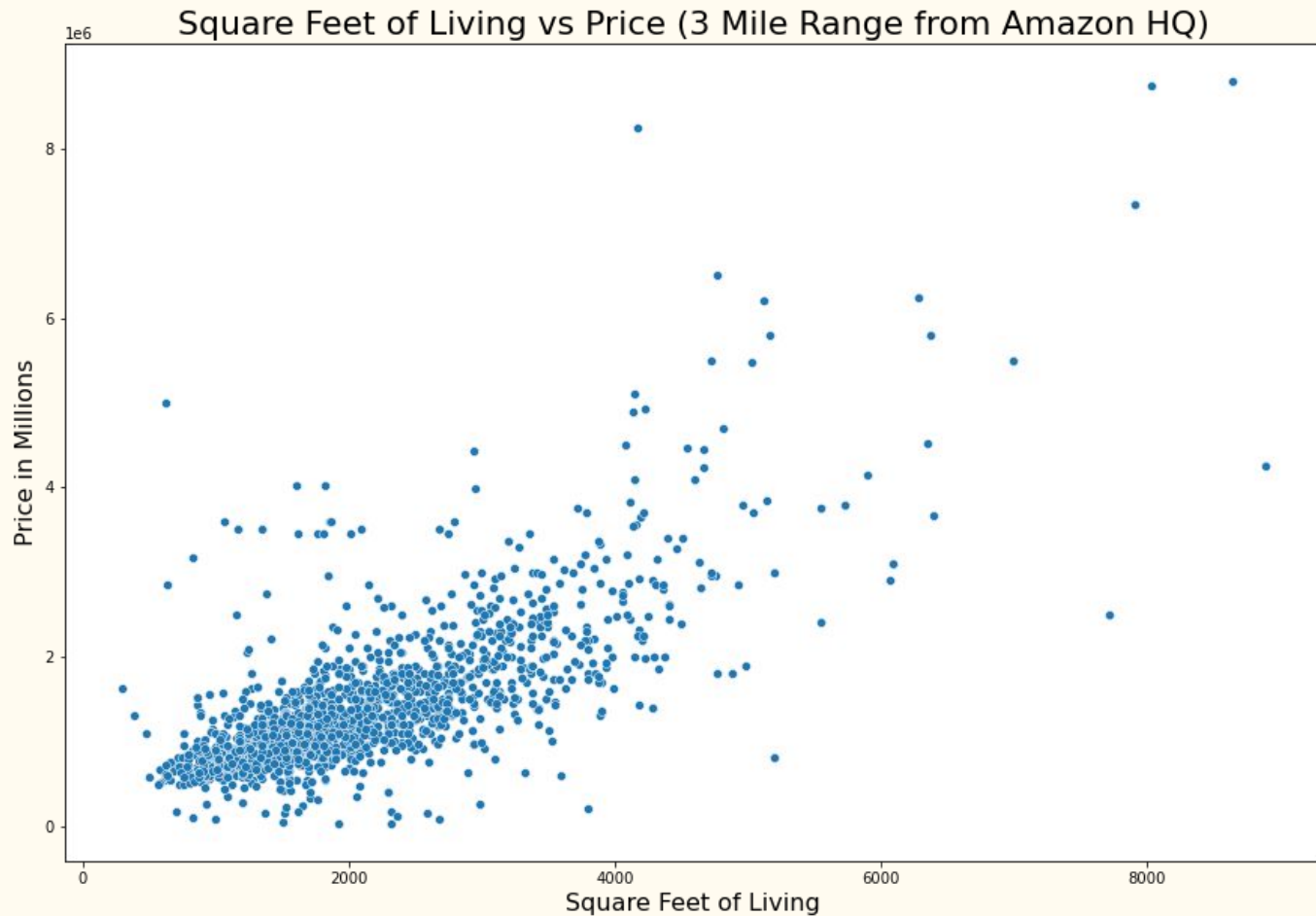
- Housing options that meet price range and interests such as a short commute to work
- What factors significantly cause increase the price of a house?
- How can this knowledge make you a more savvy buyer?

Data Understanding/Analysis

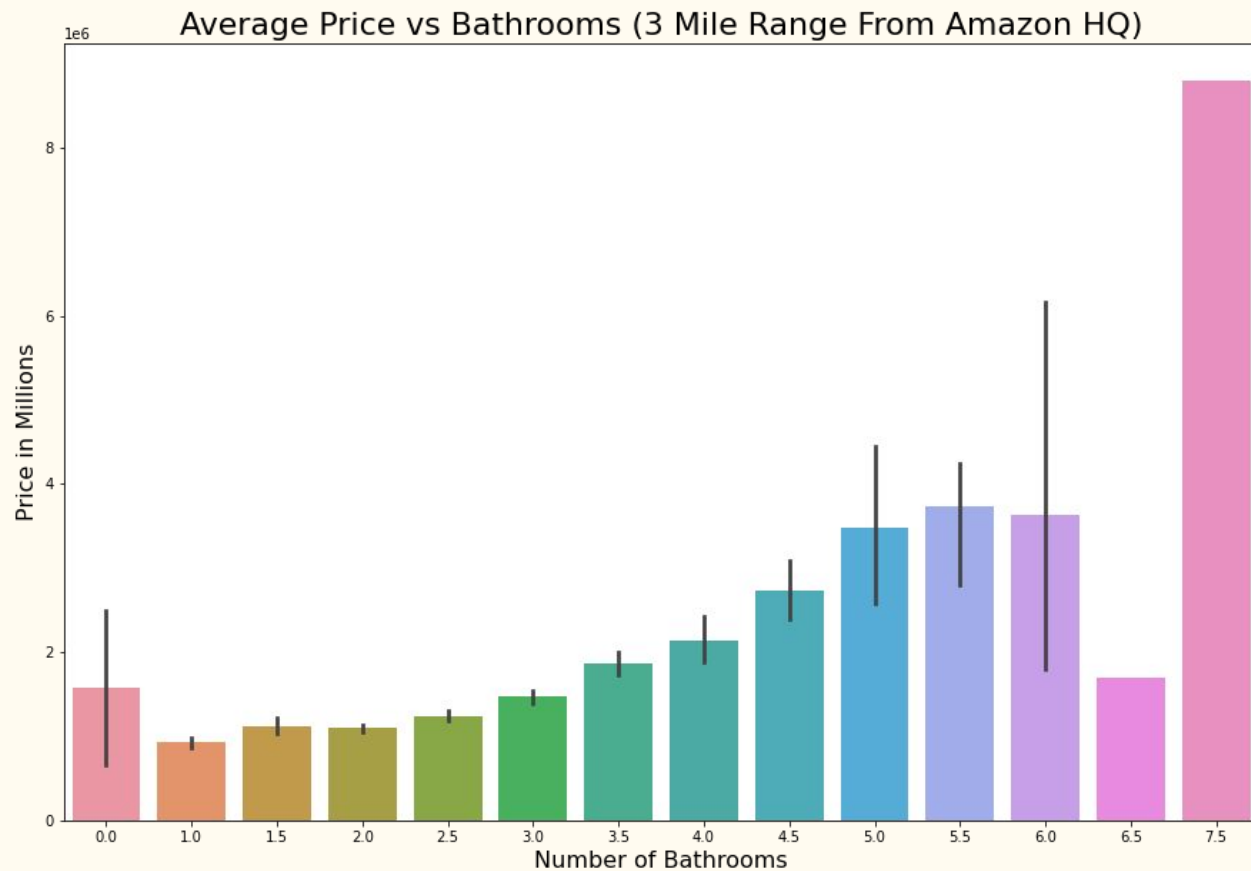
- House sales dataset from June 2021 to June 2022
- Over 29,000 different homes across King County
- The data contained information on:
 - Bedrooms, Bathrooms, Square Footage, Zip Code and more



EDA



EDA



Weights and Correlation

- Based on EDA, ran a multivariable regression
 - Target variable is price
 - Independent variables: bedrooms, bathrooms, sqft_living and more

	coef	std err	t	P> t	[0.025	0.975]
const	-1.492e+07	7.84e+06	-1.903	0.057	-3.03e+07	4.49e+05
bedrooms	-6.531e+04	4375.994	-14.925	0.000	-7.39e+04	-5.67e+04
bathrooms	4.591e+04	6391.034	7.183	0.000	3.34e+04	5.84e+04
sqft_living	146.7615	14.249	10.299	0.000	118.832	174.691

Renovate Home to Increase its Value

- Buy a home with smaller square footage and add an extension to your living space

OR

- Buy a home with few bathrooms and add more

Application

Now let's take a look at our Tool

Thank you!

Any questions?

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