Impact of Predictors on Housing Cost

King County, Washington Hunter Sapienza

Problem Statement

selling price number of views

number of bedrooms condition

number of bathrooms King County grade

square footage year built

number of floors year renovated

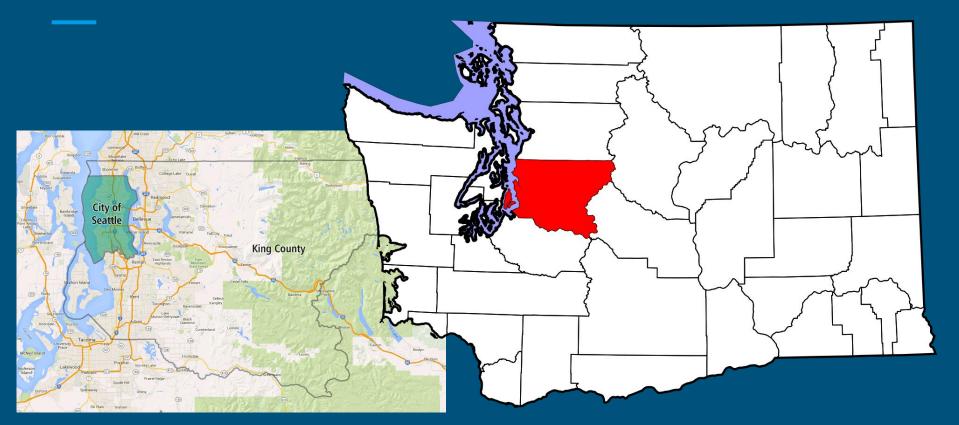
waterfront zip code

latitude

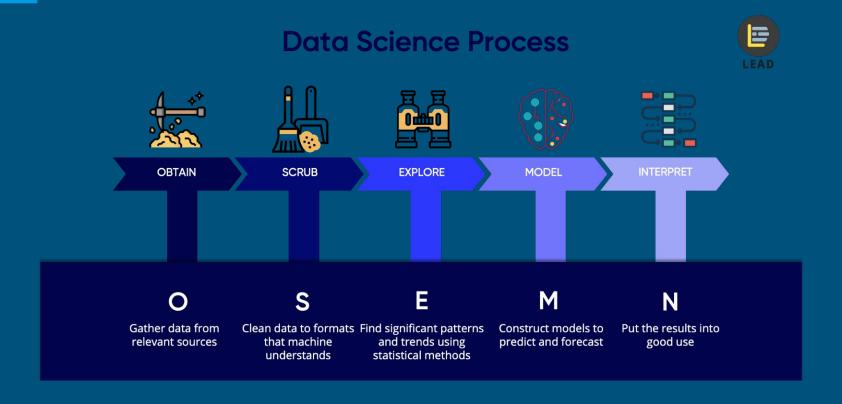
longitude



King County Housing Data



Data Science Framework



Top Predictors







Zip Code

Waterfront

Housing Grade

- Waterfront property
- Prime zip codes
- King County housing grade
- Excellent condition

zipcode_98039	1.565552
zipcode_98004	1.222991
zipcode_98112	1.109899
grade_13	1.065640
zipcode_98109	0.958159
zipcode_98102	0.896933
zipcode_98119	0.895173
zipode ogge	0.060761
	0.843092
waterfront_1.0	0.843092
<pre>zipcode_33313</pre>	0.843092
zipcode_30010	0.700741
zipcode_30111 condition_5	0.700741
zipcode_55116 condition_5 grade_12	0.708741 0.710224 0.695780
zipcode_ssiis condition_5 grade_12 zipcode_98122	0.710224 0.695780 0.659396
zipcode_98112 condition_5 grade_12 zipcode_98122 zipcode_98107	0.736741 0.710224 0.695780 0.659396 0.636939
zipcode_58113 condition_5 grade_12 zipcode_98122 zipcode_98107 zipcode_98199	0.710224 0.695780 0.659396 0.636939 0.630883

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zipcode_98102	0.896933
zipcode_98119	0.895173
zipcode_98105	0.860761
waterfront_1.0	0.843092
zipcode_98040	0.768741
condition_5	0.710224
grade_12	0.695780
zipcode_98122	0.659396
zipcode_98107	0.636939
zipcode_98199	0.630883
zipcode_98103	0.586599
condition_4	0.581475
zipcode_98115	0.563191

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zipcode_98039	1.565552
zipcode_98004	1.222991
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grade_13	1.065640
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zipcode_98102	0.896933
zipcode_98119	0.895173
zipcode_98105	0.860761
waterfront_1.0	0.843092
zipcode_98040	0.768741
Condition_0	710224
grade_12	0.695780
6-p odo 98122	0 650330
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zipcode_98199	0.630883
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zipcode_98102	0.896933
zipcode 98119	0.895173
zipcode 98105	0.860761
waterfront 1.0	0.843092
21pc is 30040	0.760741
condition 5	0.710224
gradi_12	0 505.00
zipcode 98122	0.659396
zipcode 98107	0.636939
zipcode 98199	0.630883
7100 to 30103	0.506509
condition 4	0.581475
	0.581475