Pricing midrange homes in King County, WA

Jenny R. Kreiger, PhD Project for Flatiron School Data Science Bootcamp September 9, 2019

Questions

What factors affect home prices?

How can you turn your family home into a smart investment?



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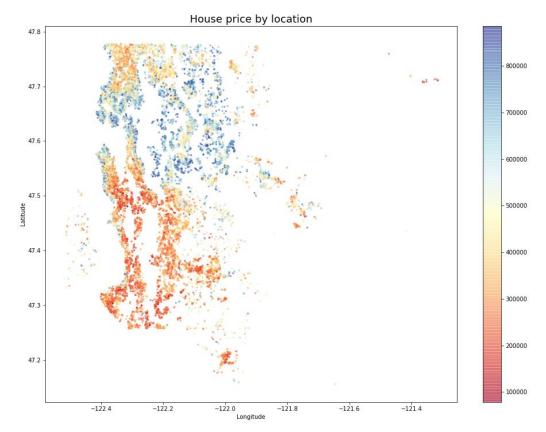
Data

18,999 homes in King County

2-5 bedrooms

Median sale price of \$425,000

Sale records from 2014-2015



Points are colored by price.

Method

Multiple linear regression

A technique that lets us consider the effects of **multiple factors** on home price at the same time.



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Results

Model explains 82% of the variation in price based on a variety of factors.



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Insights for homeowners

+\$8,300

Potential increase in sale price after adding 100 sq. ft. or an additional bathroom to your home.

+\$21,000

Potential increase in sale price after improving the condition* of your home by one level.

^{*} Condition is scored on a scale of 1 to 5 and refers to a home's state of repair or upkeep.

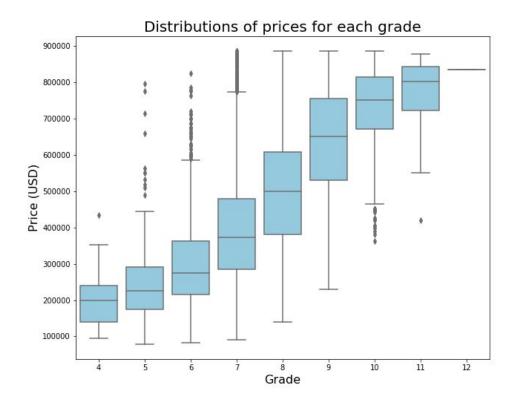


Middle of each blue box = median price for that condition level.

+\$42,000

Potential increase in sale price after improving the grade* of your home by one level.

^{*} King County's grading system rates houses from 3 to 13 on the basis of design features.



Middle of each blue box = median price for that grade.

Thank you!

Contact

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