King County Prices Project

Goal

Use modeling and statistical methods on property data to develop recommendations homeowners can use to increase the sale prices of their homes.

Data

All analysis is based on 16,323 rows of 2019 property data in the King County House Sales dataset from the King County Department of Assessments.

Methods

SQLite, Python, Pandas, Statsmodels, Numpy, Scikit Learn, and Seaborn were used for data preparation, analysis, modeling, testing, and visualization.













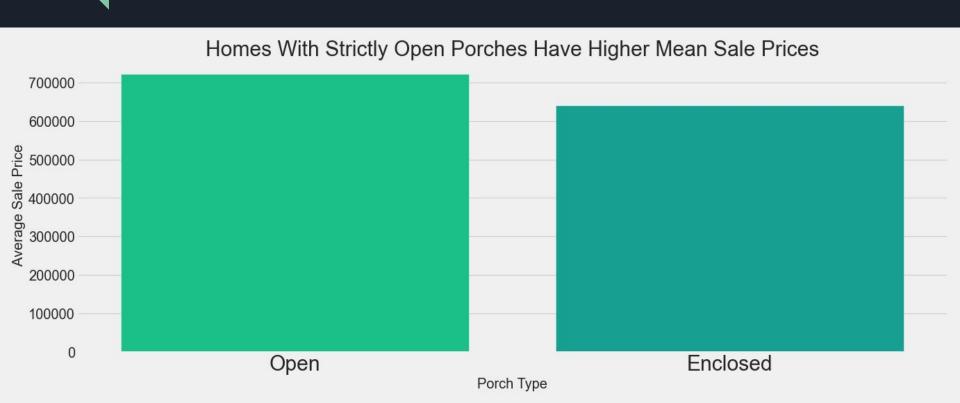
Recommendations

• Convert enclosed porches to open porches.

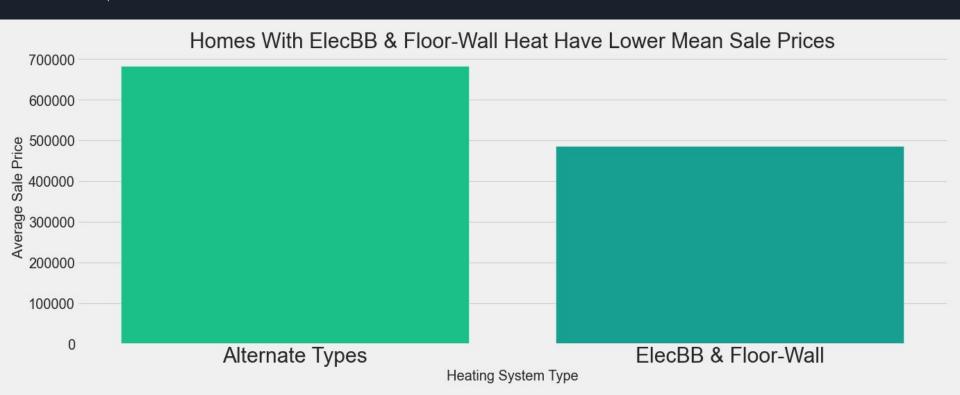
• Upgrade Electric Baseboard & Floor-Wall heating systems to alternate heating types.

Upgrade basements to a finished quality level of at least average.

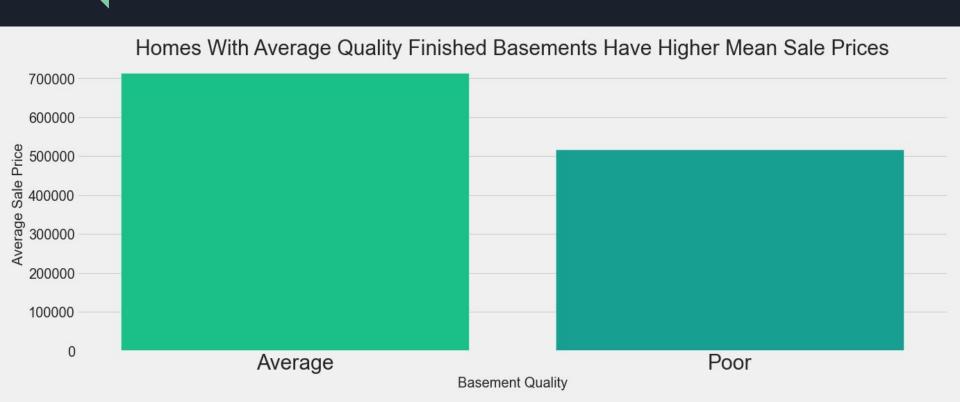
The difference in average sale price is \$82,926.



The difference in average sale price is \$197,538.



The difference in average sale prices is \$197,879.



Next Steps

- Continued data analysis and model adjustment.
- A look into the set of mixed porch homes.
- Exploration into the alternate heating systems.
- Quantification of the basement quality levels.

Thank You!

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