



An Academic Regression Analysis Project by Devin Sarnataro

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City

Three Models



Three Models

All King County Model

Seattle Model

Outside Seattle Model

Results & Recommendations

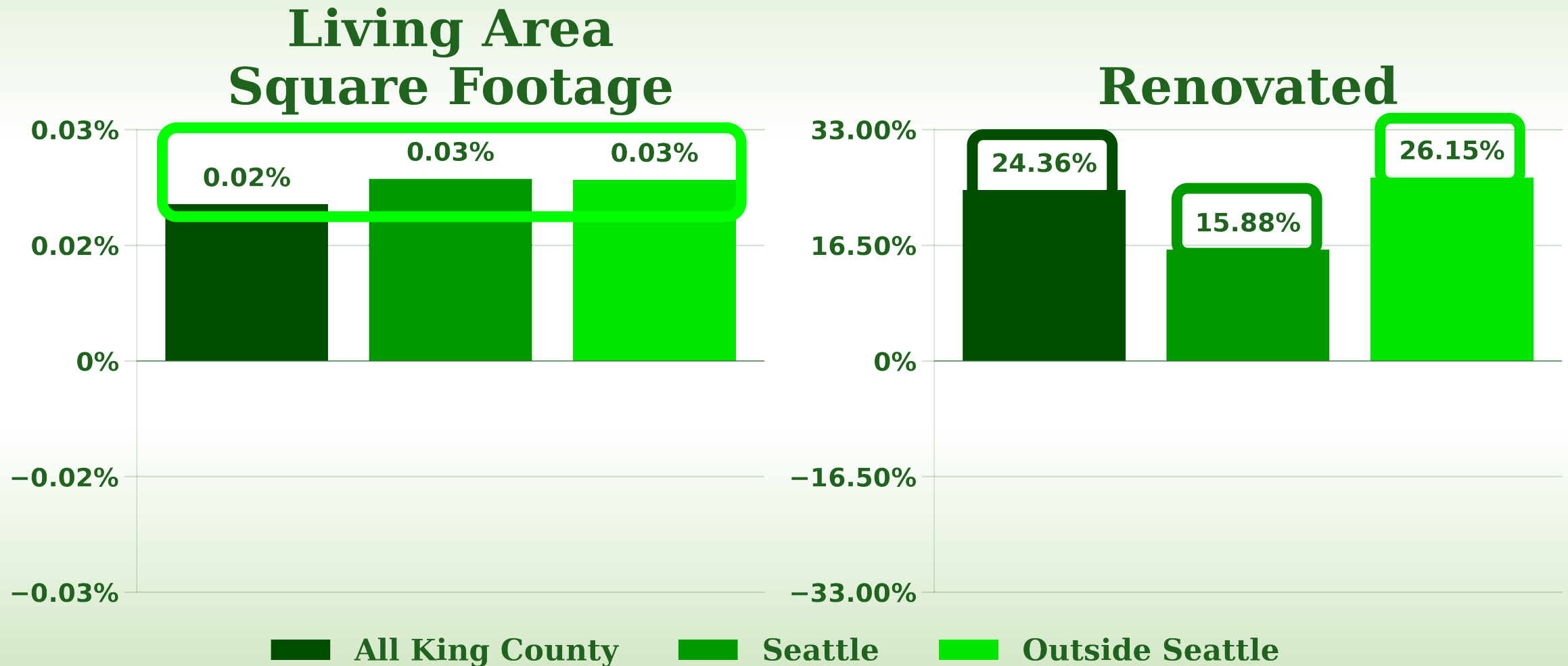
Intercepts

All King County Model: \$247 K

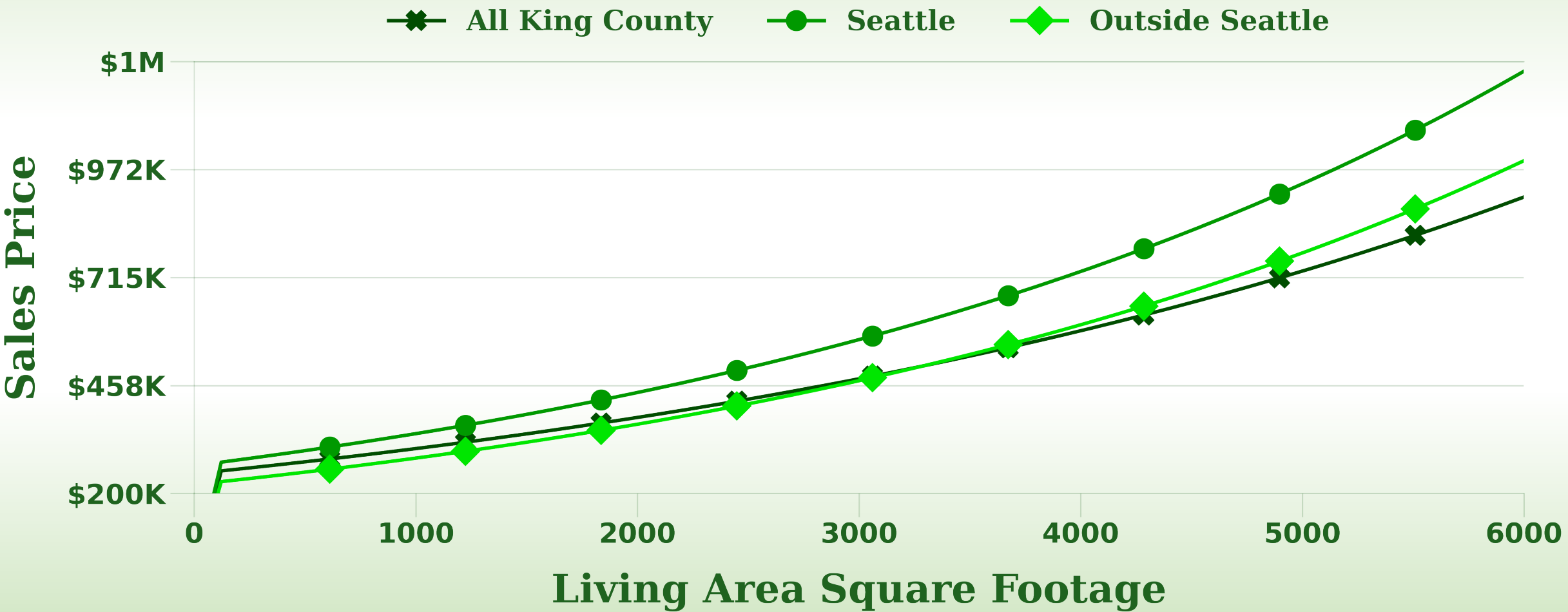
Seattle Model: \$266 K

Outside Seattle Model: \$221 K

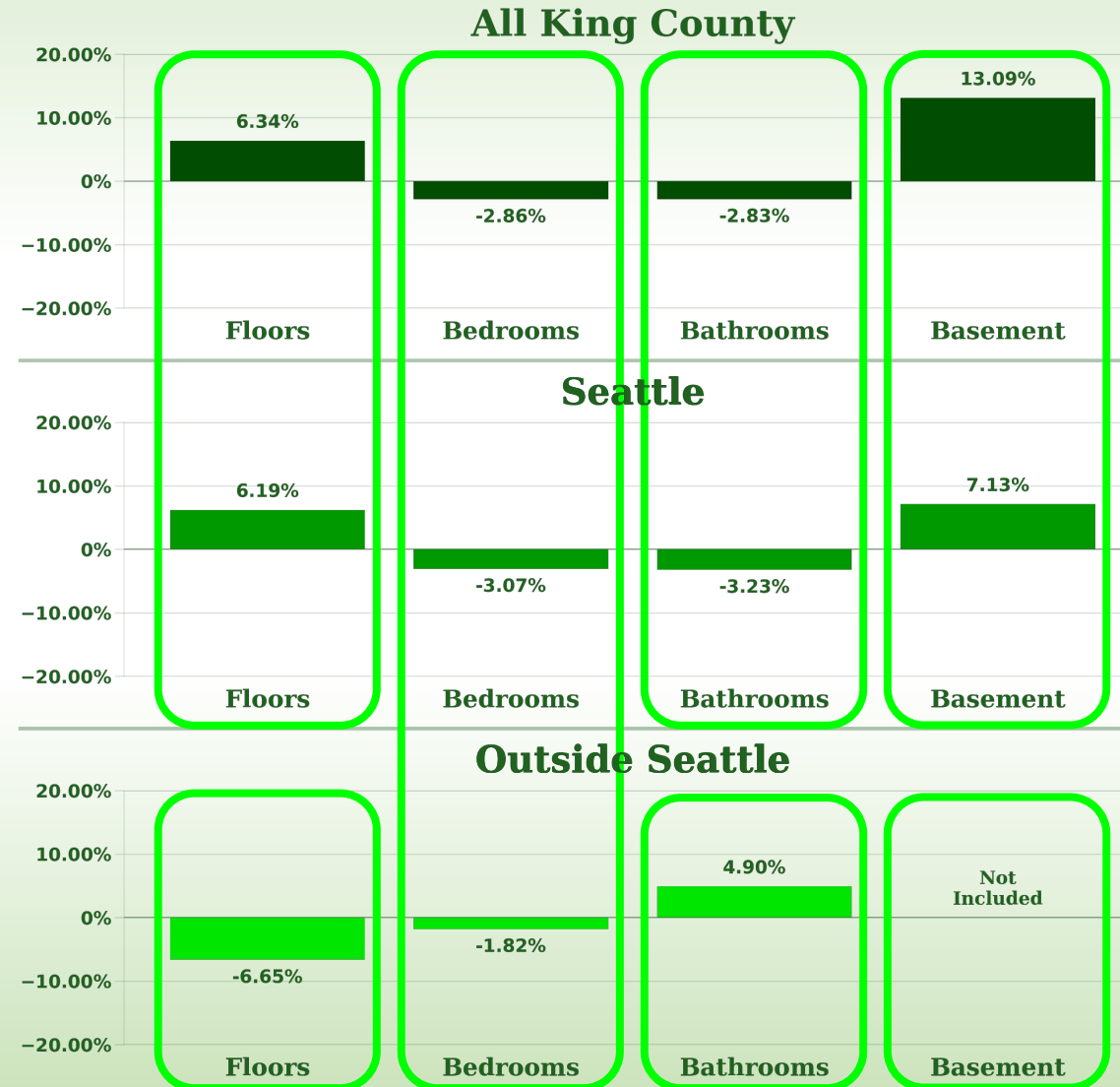
Living Area Square Footage & Renovated



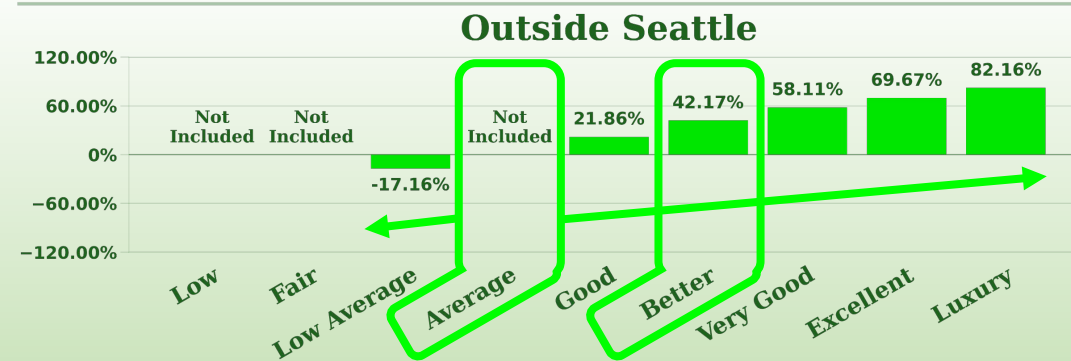
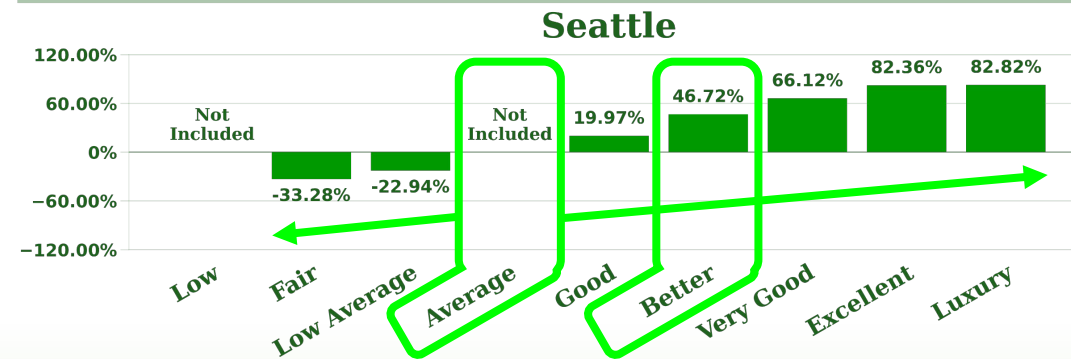
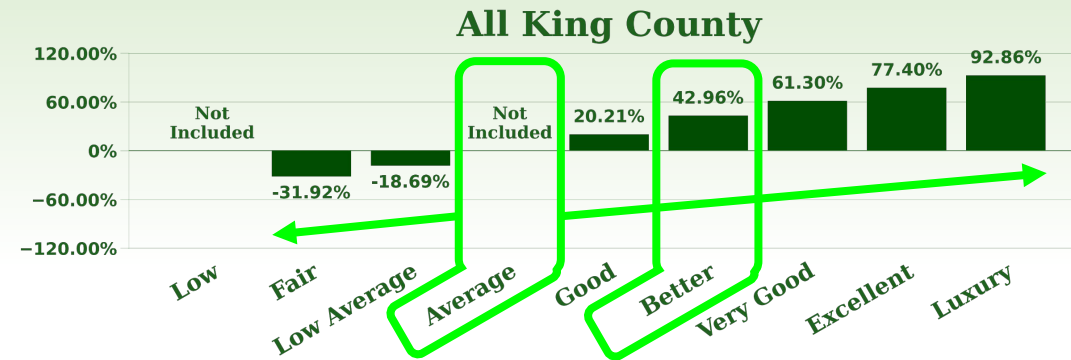
Sales Price vs. Living Area Square Footage



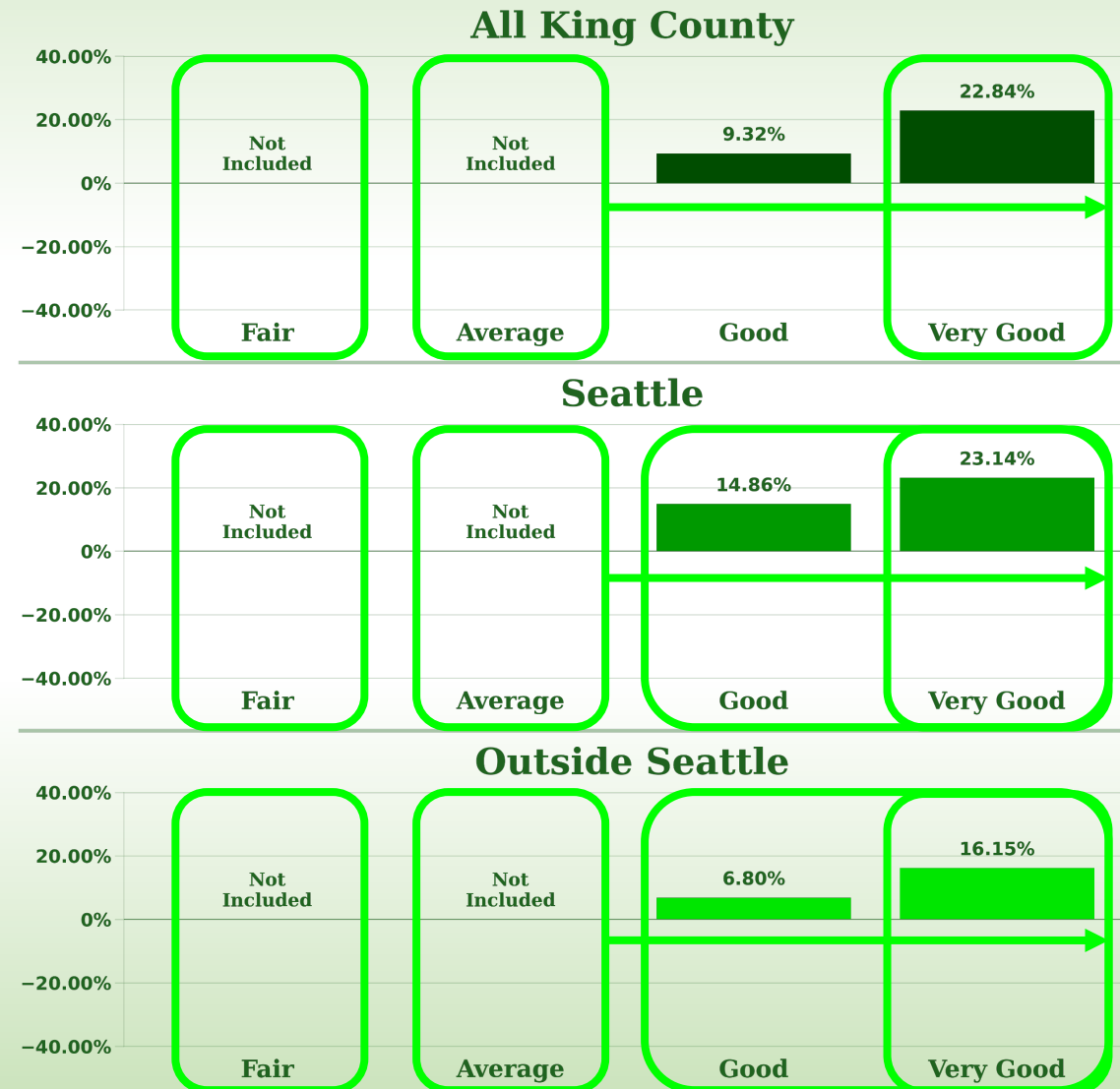
Floors, Bedrooms, Bathrooms & Basement



Grade



Condition



Recommendation

Picture Databases

Grade

8 – Good

9 – Better

10 – Very Good

11 – Excellent

12 – Luxury

13 – Mansion

Condition

4 – Good

5 – Very Good

Sales Price Calculator

Sales Price Calculator

[Start Over](#)

Choose a model.

Seattle

Click below to enter the original square footage.

Click below to enter a square footage increase.

1500 sqft

Start

500 sqft

\$388,548.39

Grade

Good

Better

Very Good

Excellent

Luxury

New

\$886,241.71

Change

\$497,693.32

Condition

Good

Very Good

Future Investigations

Picture Databases

Grade, View, and Condition Features

King County Records

Multiple years

Commercial property

Separate models for each city / ZIP code

Identify changes over time

Identify areas with high potential

Identify the important features for each area

Interactive Maps for each City / ZIP Code

Zoning Districts

Heatmap of an Area's Potential

Thank You



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GitHub

My Analysis

https://github.com/sarnadpy32/king_county_development