

KINGS COUNTY REIT: INVESTING INSIGHTS

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OVERVIEW

US Investments Inc. has tasked us with recommending methods for locating profitable real estate assets in the Northwestern U.S. that they can acquire and add to their portfolio.

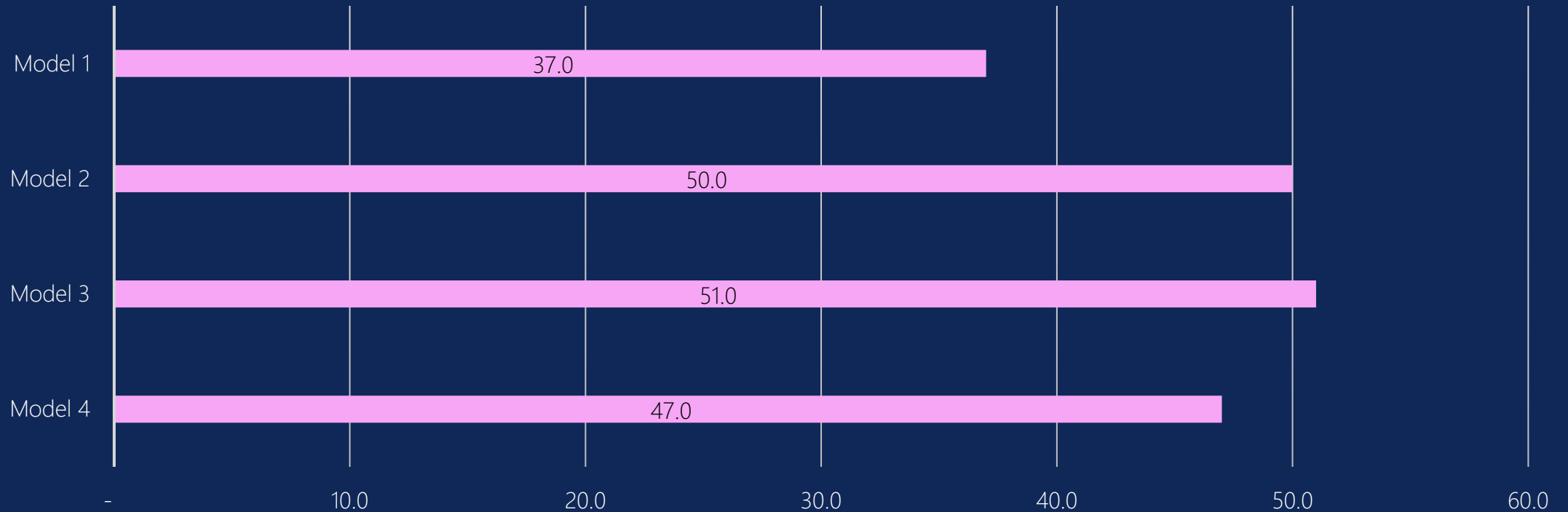
BUSINESS UNDERSTANDING

- Project focused on finding the housing features that most strongly influence housing price.
- REIT will use the findings to help influence which real estate assets they acquire and rehab.

DATA UNDERSTANDING

- Dataset contains over 30,000 entries distributed over 25 fields
- Some housing features include: Price, Waterfront Status, Patio Square footage, Renovation Year, etc.
- Modeling plan: create a baseline model, then improve performance by adding variables to subsequent models

REGRESSION MODELING RESULTS



REGRESSION MODELING RESULTS

	Model 1	Model 2	Model 3	Model 4
Accuracy	37%	50%	51%	47%
Price Offset	\$396,336	\$352,431	\$338,354	\$370,981
Variables	1	5	6	6

CONCLUSION

Living Square Footage	Number Of Bedrooms	Waterfront Status	House Grade	View Quality	Build Year
Focus: Larger square footage Increase of 1 = increase of \$510 in price	Focus: Greater amount of bedrooms	Focus: Homes on Waterfront	Focus: Ratings of Excellent, Luxury, or Mansion	Focus: Ratings of Fair, Excellent, or None	Focus: Larger (newer) years Increase of 1 = decrease of \$1,588 in price

NEXT STEPS

Variables

- Find more variables
- Preferably linear
- Better train model

Data

- More data points
- Can improve model predictions

Techniques

- Different modeling approaches for given data
- Different analysis methods may yield more findings



THANK YOU

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