

Tax Valuation Analysis

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Today's Agenda

 Executive Summary

 Tax Valuation

 Modeling

 Analysis

 Conclusion

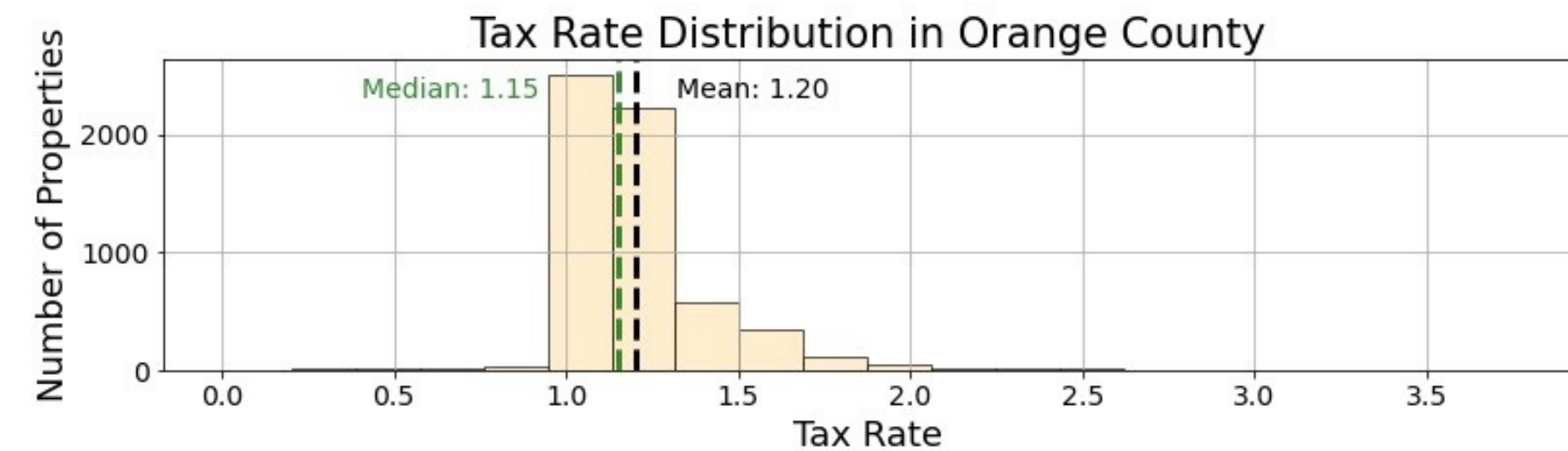
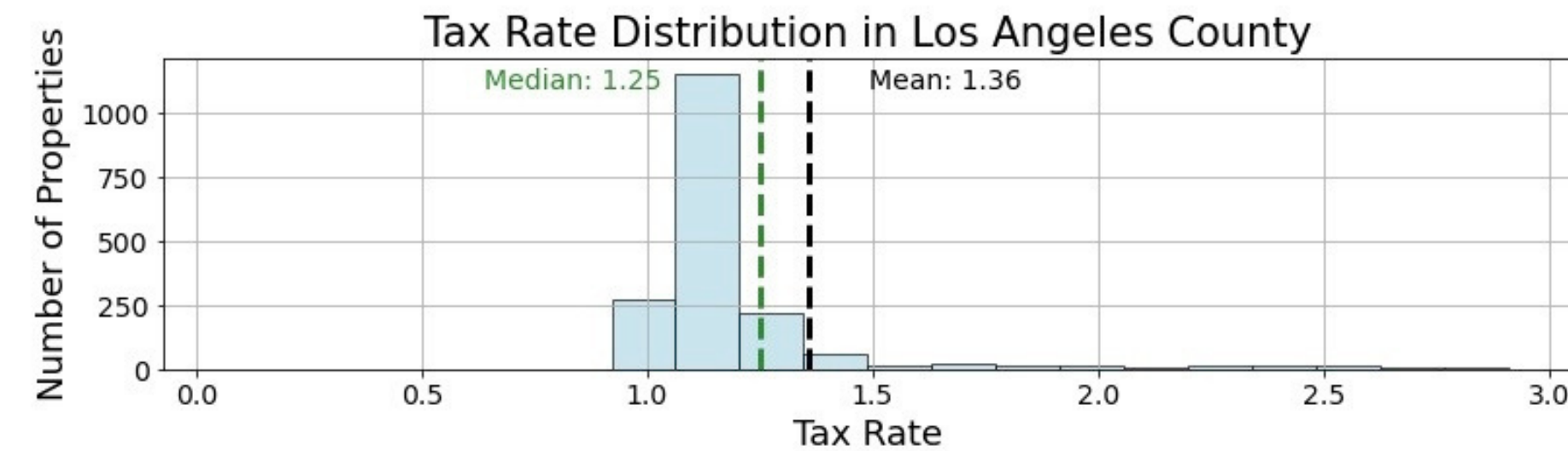
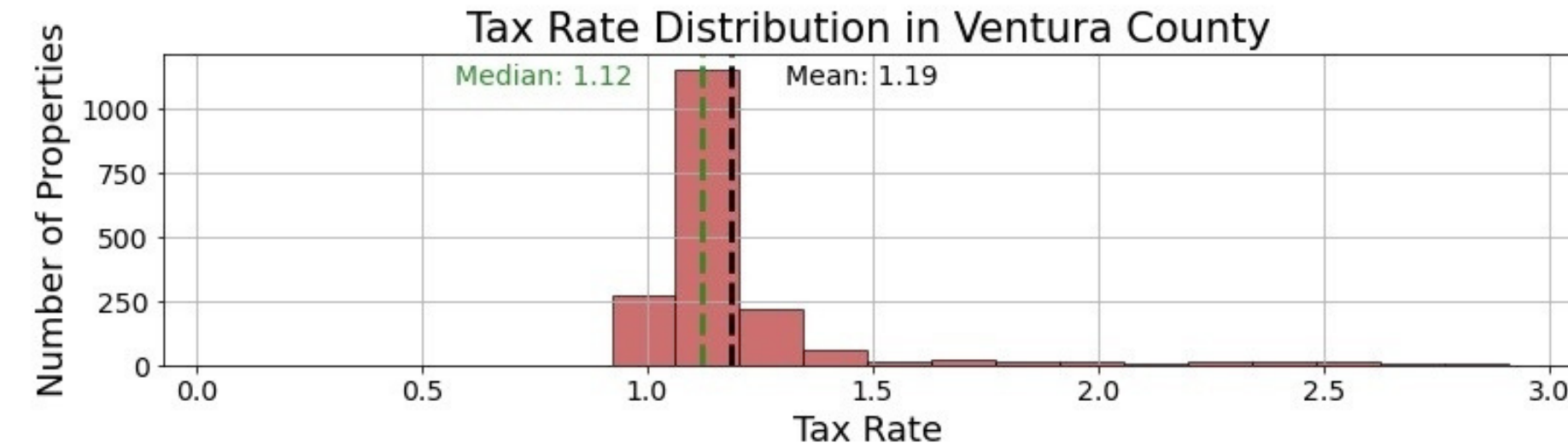
Executive summary

- Goal: Predict Property Values In Los Angeles Area
- Display Variations Between Tax Rates By County
- Discuss Key Features That Influence Models
- Results Of Best Model Vs Baseline Model

Tax Rates By County

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This Map Shows The Variations Of Tax Rates For Each County





STEP 1

Feature Engineering

- KBest
- Recursive Feature Elimination



STEP 2

Train & Validate Models

- Linear Regression Models
- Polynomial Regression Models



STEP 3

Test Best Model

- Minimum Viable Product
- Takeaways

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Modeling

Model Results

BEST FEATURES

BATHROOM
COUNT

BEDROOM
COUNT

BATH/BED
COUNT

SQUARE
FOOTAGE

FULL BATH
COUNT

ACTUAL VS PREDICTED



MODEL VS BASELINE

- Best model 4.2x less error than baseline
- Outliers heavily impacted initial MVP

FEATURE ENGINEERING

- Key features made significant difference
- Key features will aid in further modeling

RECOMMENDATION

- Develop an even better model that can accurately predict based on county

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Conclusion

Thank You

GITHUB REPOSITORY



DEPARTMENT

Data Science

DATA

Zillow Dataset