

# King County Housing Market Analysis

Data-driven recommendations for a buyer

Client: Jennifer Montgomery





# Business Problem

**Question:**

- What drives house prices in King County?
- How can data support a short-term investment decision?



# Data Overview

- King County housing sales data
- ~21,000 houses
- Property characteristics + prices



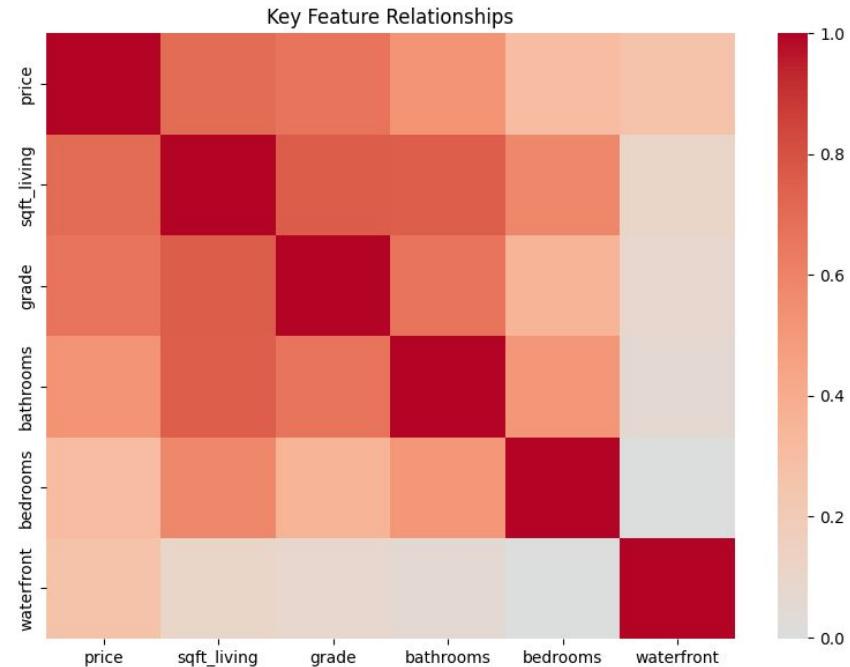
# Methodology

- Data cleaning & validation
- Exploratory data analysis
- Hypothesis-driven analysis
- Client-specific filtering



# Which features move together?

- House price moves strongly with size and quality
- Living area and grade show the strongest relationships
- Not all features influence price equally





# Key Insight

## House size and quality drive price

### Findings:

- Larger living area → higher prices
- Higher construction grade → higher prices



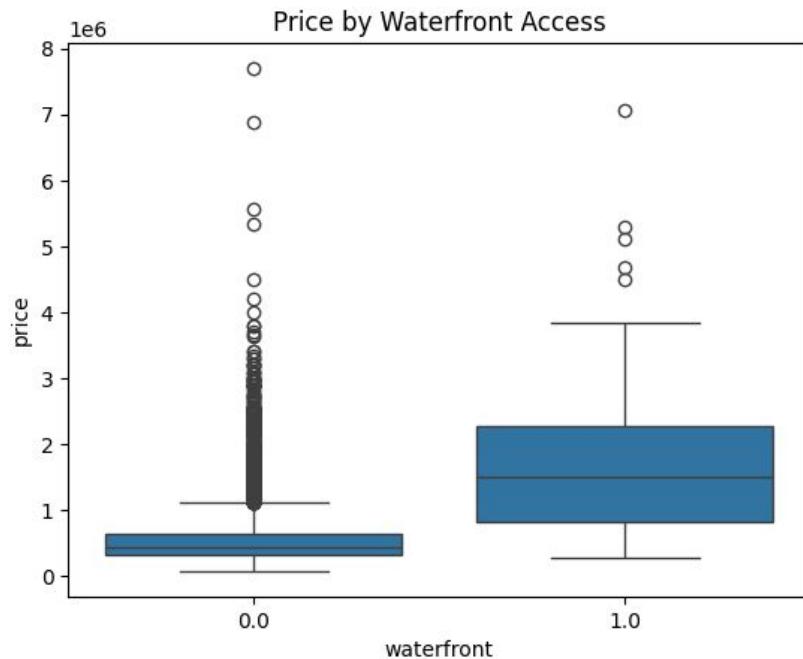


## Key Insight #2

### Waterfront significantly increases value

#### Findings:

- Waterfront houses are rare
- But much more expensive
- Strong premium segment



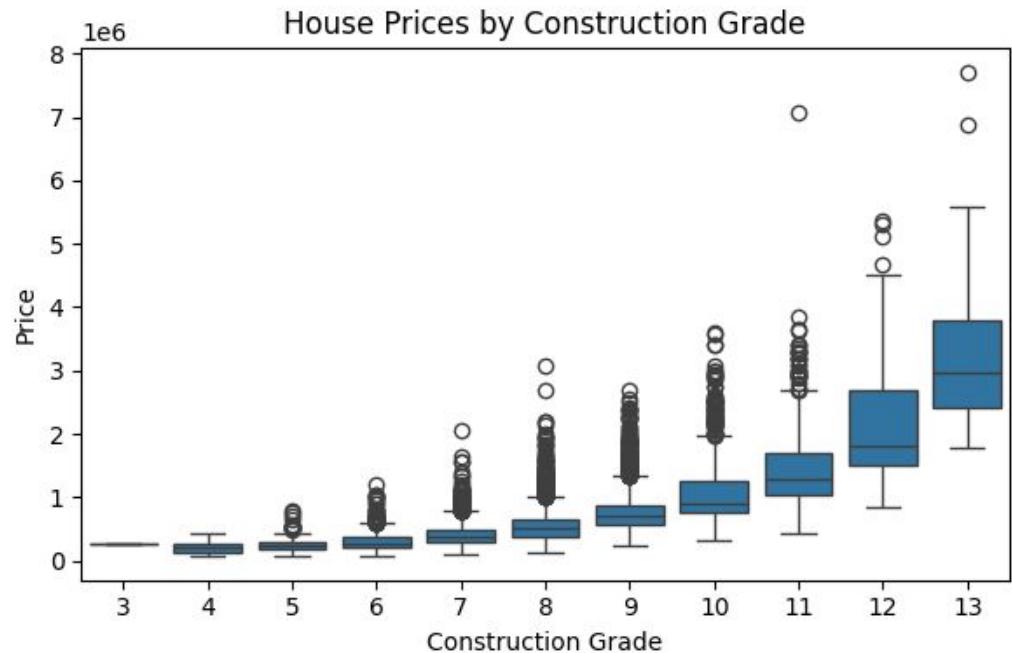


## Key Insight #3

### Construction quality strongly impacts price

#### Findings:

- Higher construction grades achieve higher prices
- Clear price differences across quality levels
- Important for short-term resale potential





# Client Recommendation

## Recommendation for Jennifer Montgomery

### We recommend:

- Waterfront properties
- High construction grade (10+)
- Recently renovated
- Top 10% neighborhoods
- Avoid long renovation projects

### Why?

- Strong price drivers
- Fits short resale timeline
- Lower operational risk



# Risks & Limitations

## **Considerations:**

- Based on historical data
- Market timing not guaranteed
- Short resale window increases risk

## **Mitigation:**

- Focus on premium, liquid segments



# Conclusion

## **Summary:**

- Clear price drivers identified
- Data supports premium strategy
- Waterfront + quality + renovation = best fit