

# **Boston Housing Price Prediction**

**Bharath Kumar J N**  
**Team 4**

# Introduction to Boston Housing

**Boston** is known for its rich history and vibrant culture. This presentation will explore **housing price trends** in the city, analyzing data to forecast future changes. Understanding these trends is crucial for potential buyers, sellers, and investors looking to navigate the **real estate market** effectively.



# Factors Influencing Prices

Several **factors** impact housing prices in Boston, including **location**, property type, and local amenities. Additionally, the **job market** and **education system** play a critical role in attracting buyers. Understanding these elements can provide insights into future pricing trends.



# Benefits

- Informed Decision-Making
- Real Estate Investment Insights
- Market Trend Analysis
- Urban Planning & Development
- Risk Assessment
- Mortgage & Loan Planning
- Competitive Edge for Agents







# Challenges

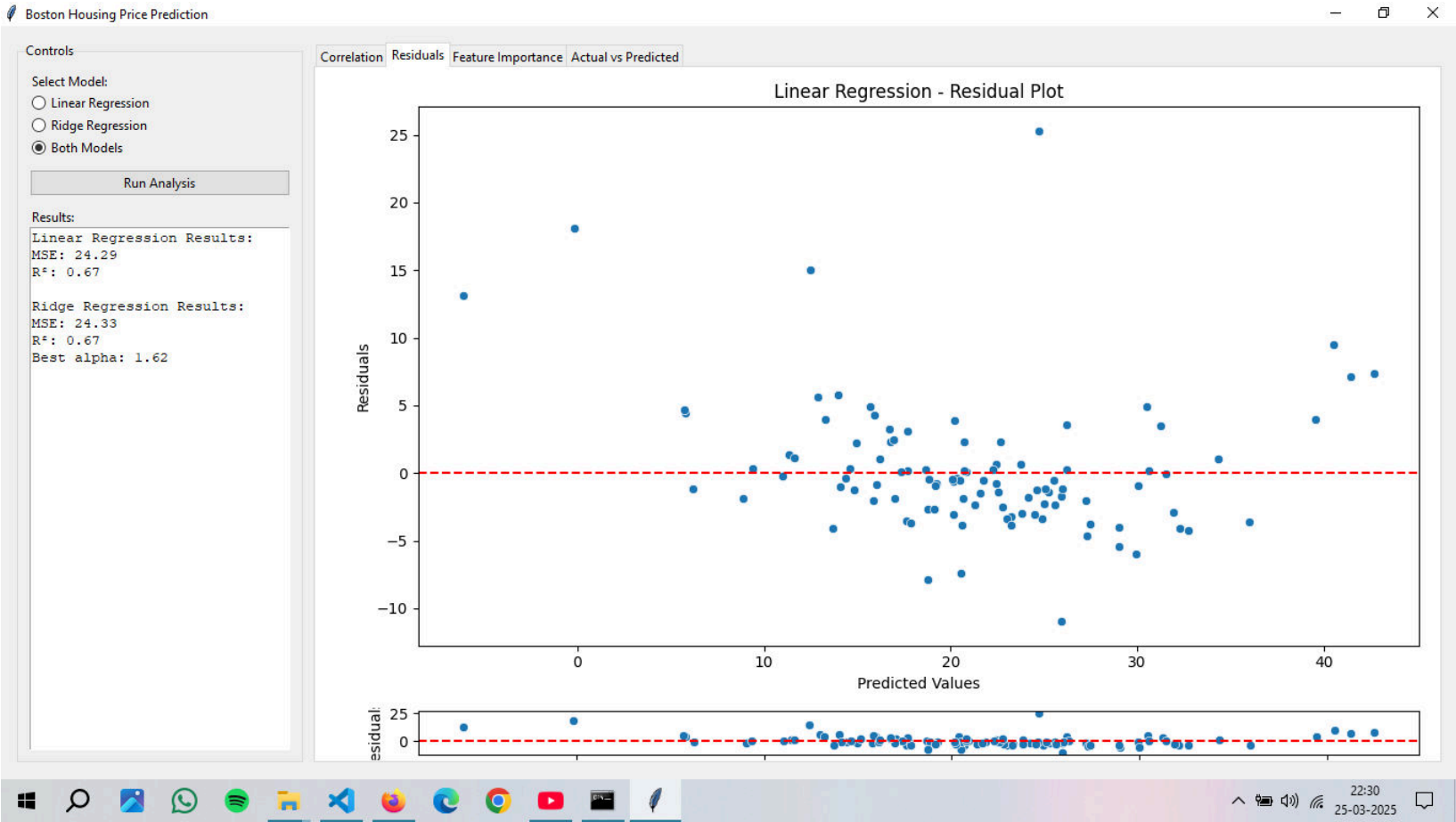
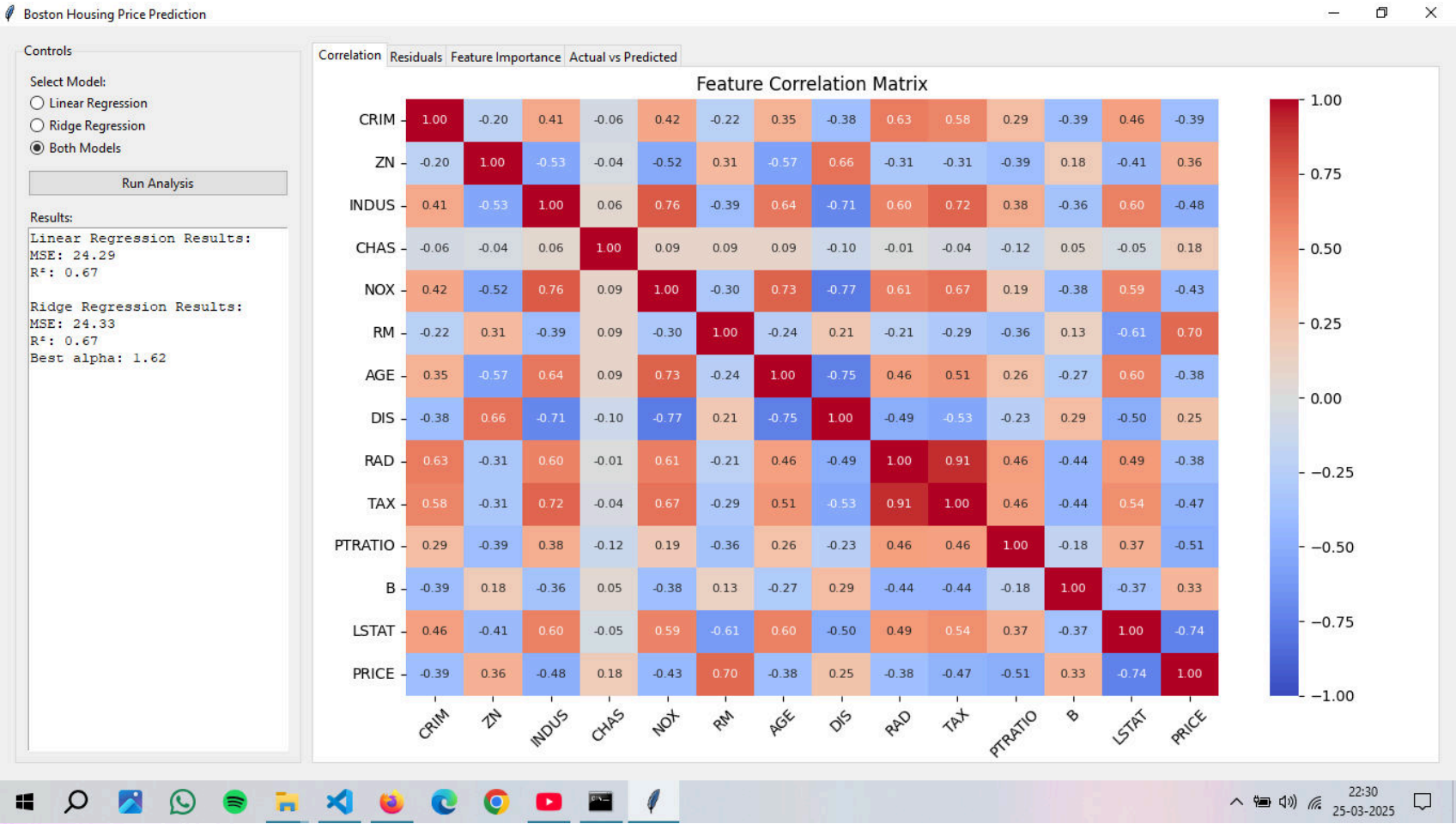
- Data Availability & Quality
- Market Volatility
- Feature Selection
- Model Accuracy
- Regulatory & Policy Changes
- External Factors

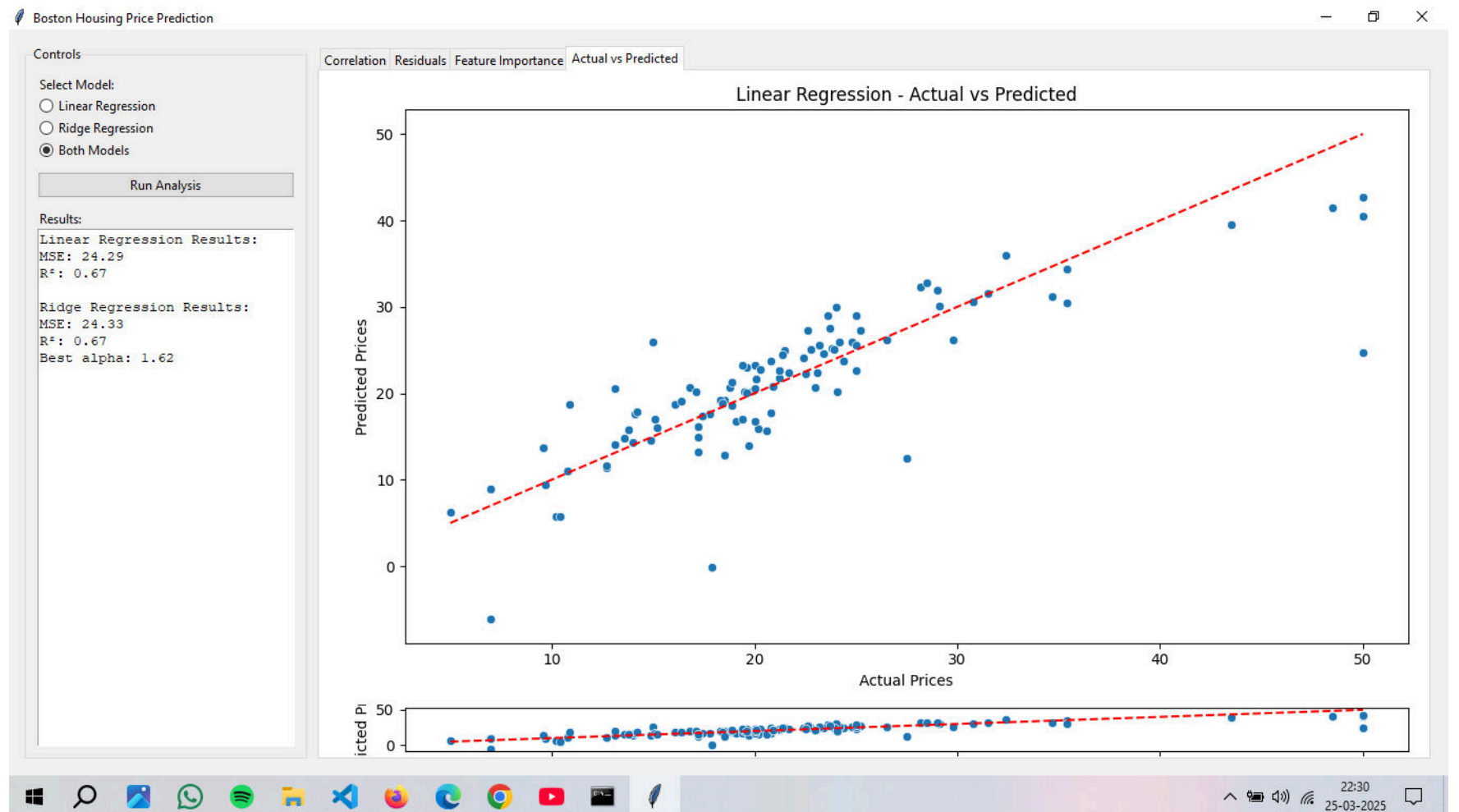
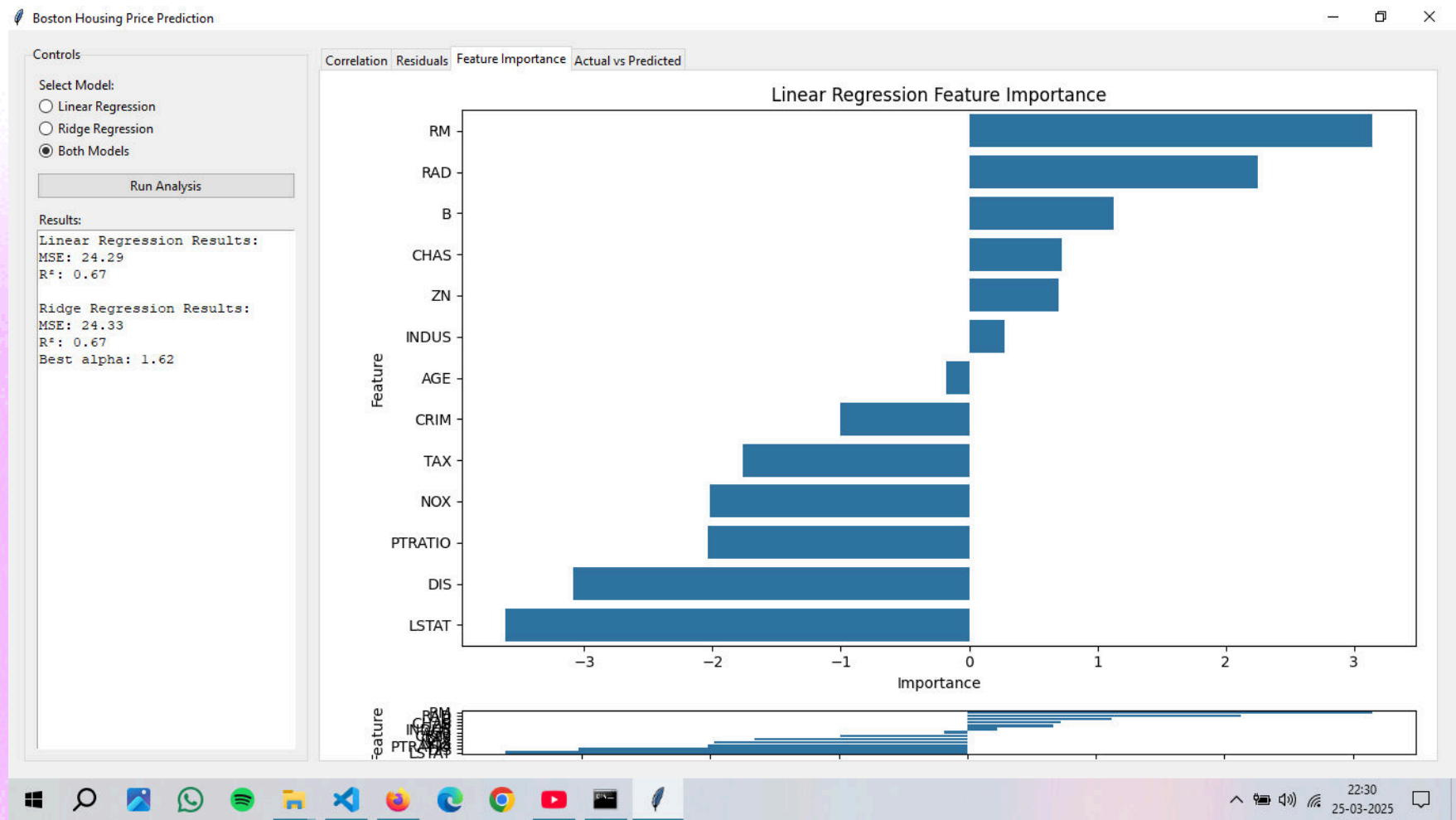
## **Technologies used**

- **Programming Language** - Python
- **Libraries/Frameworks** -
  - scikit-learn ( model development )
  - Pandas, Numpy ( data manipulation )
  - Matplotlib, Seaborn ( data visualization )
- **GUI** - Tkinter



# Output







# Conclusion and Insights

In conclusion, analyzing **Boston housing price trends** provides valuable insights into the future of the market. By understanding historical data and current factors, stakeholders can make informed decisions. Continuous monitoring of trends will be essential for navigating the evolving landscape.

The background features three large, overlapping purple circles. One circle is on the left, another is at the top center, and the third is on the right. They are semi-transparent, allowing the white background to show through. The word "Thanks!" is centered in the middle of the image.

**Thanks!**