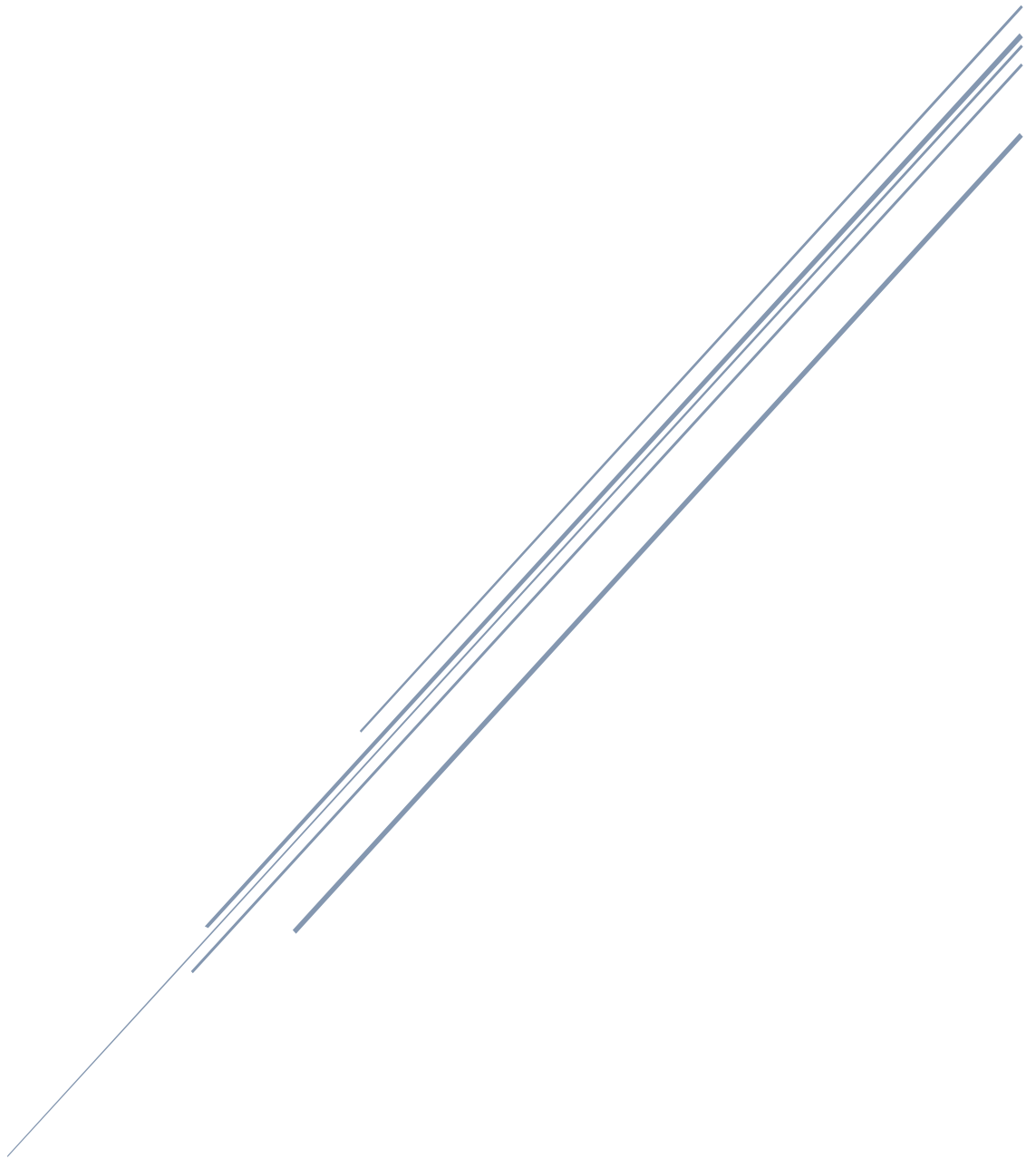# Predicting Apartment Rentals in Riyadh Using Linear Regression

By Hussain Alhadab, Mohammed Alhamoud, Feras Alyahya, and Ahmed Alonaizi

Problem Statement:

Many of apartments owners struggle to set the optimal price for rent due to their lack of experience in rent prices. We are developing a linear regression model to predict the best prices that fits the specifications and location of the apartment.

Question:

The questions of my proposal would be:

- What are the average prices for apartment rentals in Riyadh neighborhoods?
- Who would benefit from exploring this question or building this model/system?
- Knowing the owners of rental apartments, the price of renting their apartments

Data Description:

Field Name	Description	Data Type
District	Neighborhood (Alaqiq)	String
Price	Apartment price	Integer
Bedrooms	Number of bedrooms	Integer
Baths	Number of baths	Integer
Living Rooms	Number of Living Rooms	Integer
Property Age	property age	Integer

Tools:

- Python
- Pandas
- Sklearn
- Beautifulsoup
- Statsmodels
- Matlibplot
- Seaborn
- Plotly