Predicting Apartment Rentals in Riyadh Using Linear Regression

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**Problem Statement:**

In Riyadh, for years apartments renters are being taken advantage of by opportunistic real estate owners and rental agencies. 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 |
| Size | Apartment space | Integer |
| Rooms | Number of rooms | Integer |
| Baths | Number of baths | Integer |

**Tools:**

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