

**Aqar web scraping and Linear regression model’s project**

**Abstract:**

In this project, we will use data from the (Aqar) website, which provides villas for sale and their prices. Our goal from this project is to build a linear regression model that predict house prices.

**Data Description:**

In this project,We used data for villas offered for sale in the city of Riyadh that were scraped from a real estate website that contains the most recent ads.

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| --- | --- | --- |
| **Features** | **Description** | **Type** |
| Area | The area of the villa land in square meters | Int |
| Direction | The direction of the facade of the house | Int |
| Bed | Number of bedrooms in the villa | Int |
| Path | Number of bathrooms in the villa | Int |
| Living | Number of living rooms in the villa | Int |
| Street width | Width of the street on which the villa is located | Int |
| House age | Number of years were the villa was used or new | Int |
| Views | Number of users who viewed the ad | Int |
| Price | Villa price | Int |

**Tools:**

Technologies:

* Python
* Jupyter Notebook

Libraries:

* Pandas
* NumPy
* Matplotlib
* Seaborn
* Requests
* BeautifulSoup
* Sklearn

**Communication:**

Timeline

Description automatically generatedTable

Description automatically generated