

Project report:

Regression model

Predict land real estate in Saudi Arabia

Ву

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Summary:

In this project, we will use data from (Aqar) website, which provides lands for sale and their prices. Our goal with this project is to build a linear regression model that predicts land prices.

Data Description:

We have used Web Scrapping to collect our data and the source was Aqar site and Wekipedia

Columns	Data type	Description
City	object	city where house locate in
District	object	district where house locate in
Price	int	show the price of the house
Area	int	size in m^2

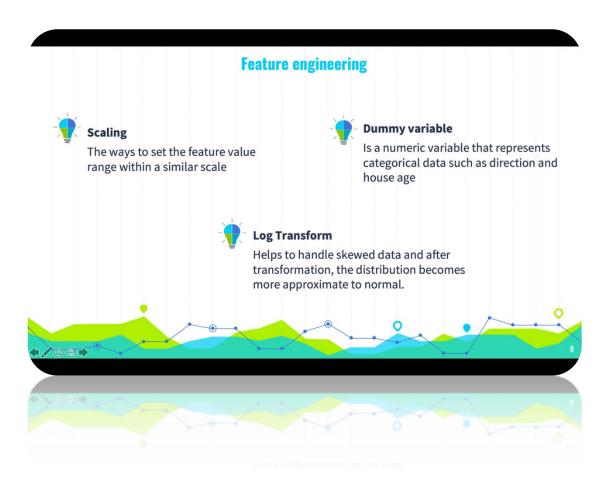
Algorithms:

- Problem understanding
- Data collection
- Data cleaning
- Explore data
- Finding and insights
- Model build

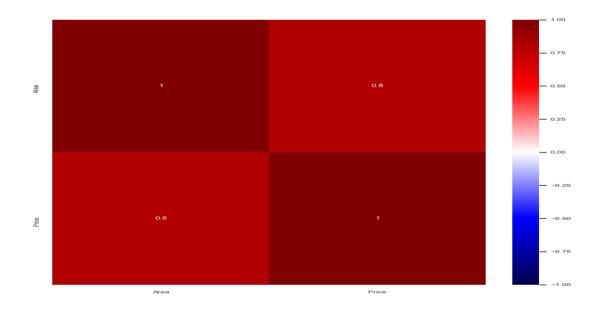
Tools:

- Web scraping tools (of Beautiful Soup, Selenium)
- Libraries: Pandas, Matplotlib, Seaborn and NumPy.
- Plots: Bar graph, forecast, bar chart, and stock price prediction.

Communication:



The relationship between the price column and the area



Model Scores

Training	Test
•,97,749	•,97,84%
0.968239	0.967057
0.600074	۱۷۹۸۸۲٬۰
0.000971	
•,979772	0.969674
0.056014	0.956913
0.930914	
	0.968239 0.688971

Error Values

