



Saudi Real Estate Application

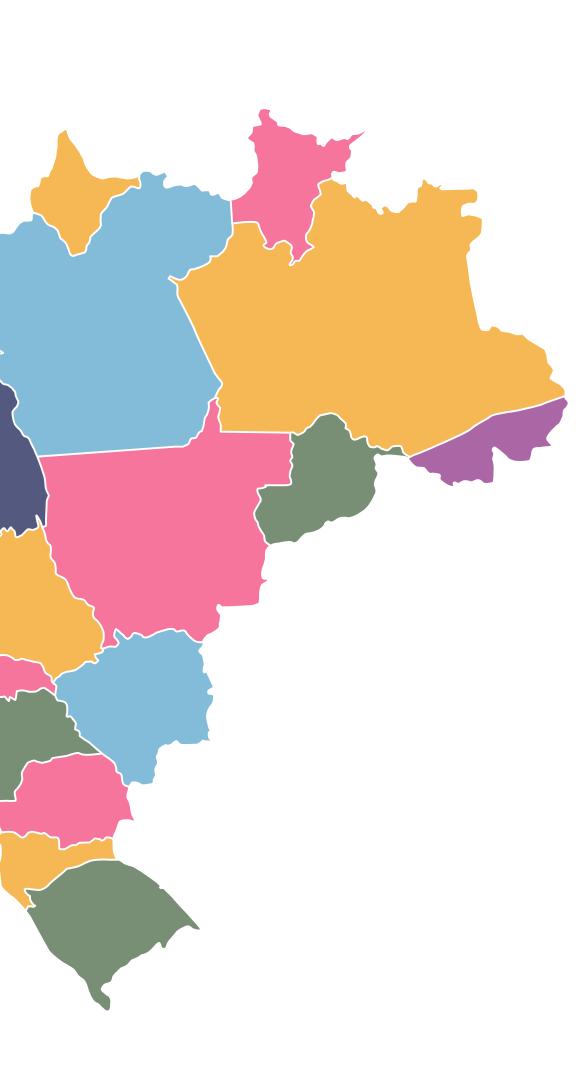


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Introduction

- An application specialized in Saudi real estate, and it is a 100% Saudi application that aims to activate electronic real estate marketing.
- To add a competitive advantage, we seek to analyze Saudi real estate data by predicting **the price** based on **Space and Neighborhood**.





DATA :

meter	neighborhood	price
400	almalqa	4000000
300	Iraqa	1000000
500	almalqa	3000000
.	.	.
.	.	.
.	.	.
.	:	:
700	alnada	5000000

DATA :

X	Y
meter	price
400	4000000
300	1000000
500	3000000
.	.
.	.
.	.
.	.
700	5000000
almalaa	
Iraqa	
Almalaa	
alnada	

One Hot Encoding

X

meter	neighborhood
400	Almalqa
300	Irqa
500	almalqa
•	•
•	•
•	•
•	•
700	alnada

One Hot Encoding

X

meter	neighborhood
400	Almalqa
300	Iraqa
500	almalqa
.	.
.	.
.	.
.	.
.	.
700	alnada



One Hot Encoding

X

meter	neighborhood
400	Almalaa
300	Iraq
500	almalaa
.	.
.	.
.	.
.	.
.	.
700	alnada

meter	Almalaa	Iraq	alnada
400	1	0	0
300	0	1	0
500	1	0	0
.	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.
700	0	0	1

One Hot Encoding

X

meter	neighborhood
400	Almalaa
300	Iraq
500	almalaa
.	.
.	.
.	.
.	.
.	.
700	alnada

meter	Almalaa	Iraq	alnada
400	1	0	0
300	0	1	0
500	1	0	0
.	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.
700	0	0	1



One Hot Encoding

X

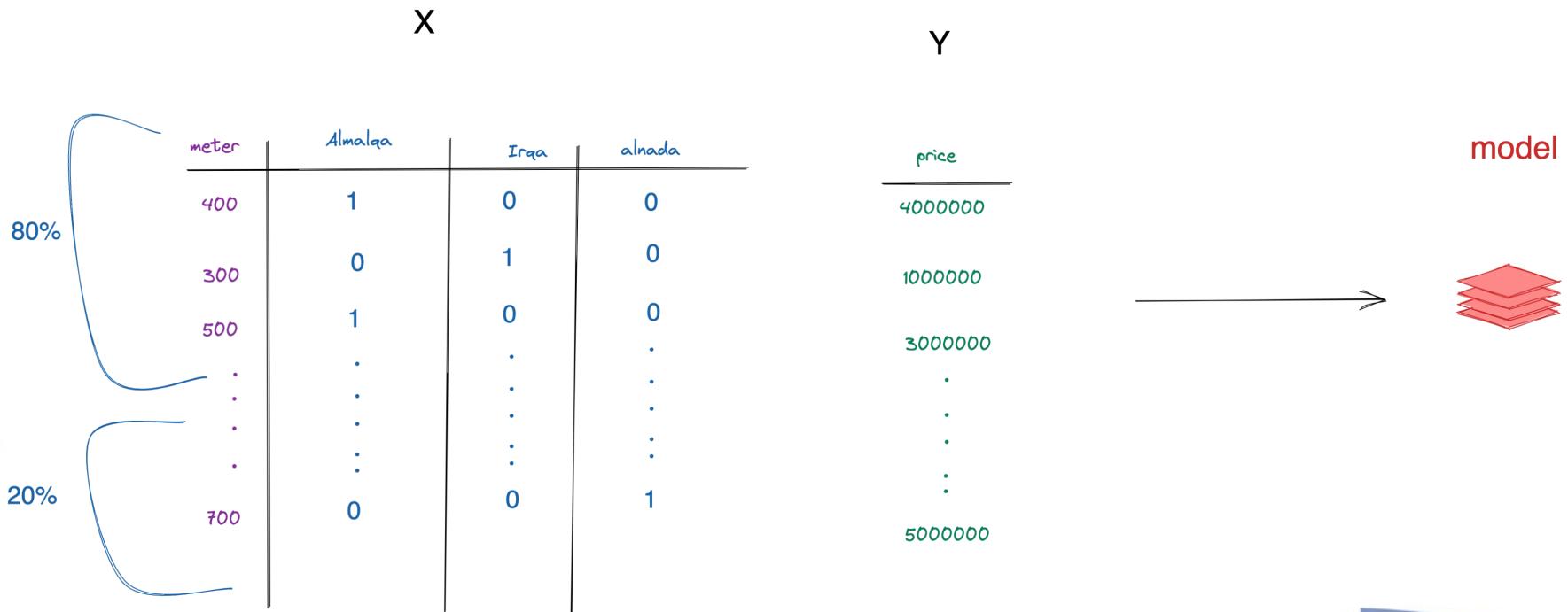
Y

meter	Almalqa	Iraqa	alnada	price
400	1	0	0	4000000
300	0	1	0	1000000
500	1	0	0	3000000
.
.
.	.	.	:	:
700	0	0	1	5000000

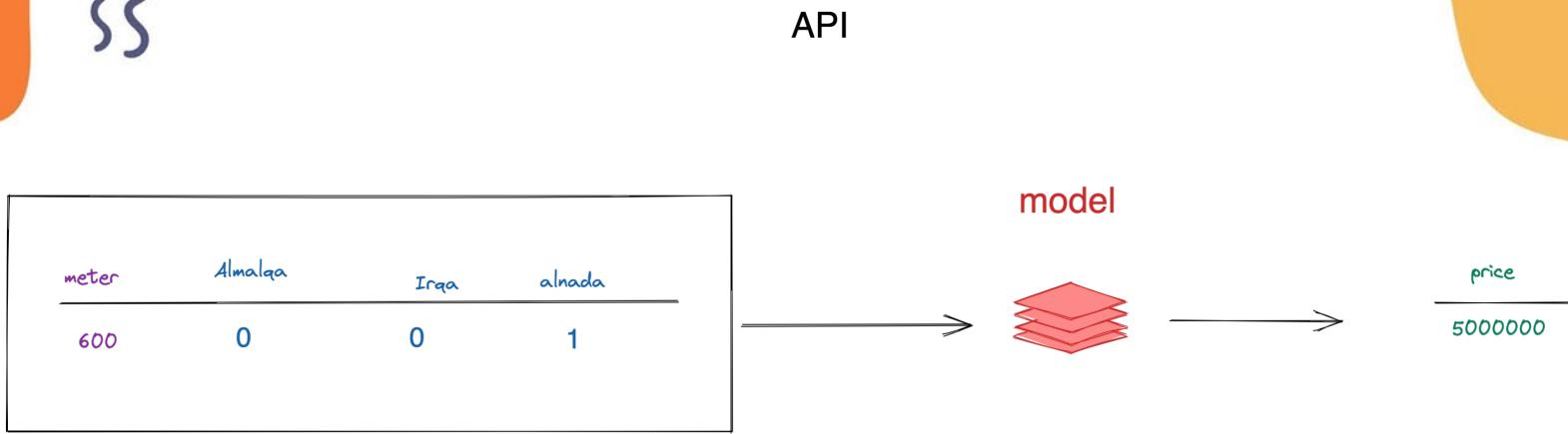


Web scraping (Selenium)

Modeling :



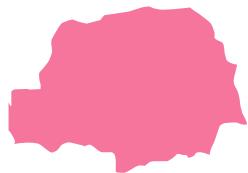
API(Flask) :



Website:

<i>meter</i>	<i>neighborhood</i>	<i>price</i>
400	almalqa	4000000
300	Iraq	1000000
500	almalqa	3000000
.	.	.
.	.	.
.	.	.
.	:	:
700	alnada	5000000

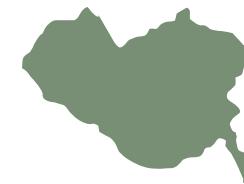
Conclusion



Predict Price



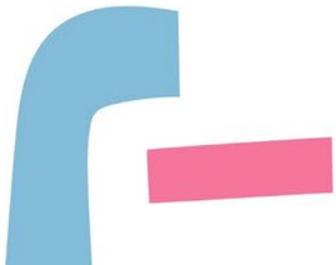
Machine Learning
Regression



Future Work
another feature



Any Quation?



Thanks!

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