



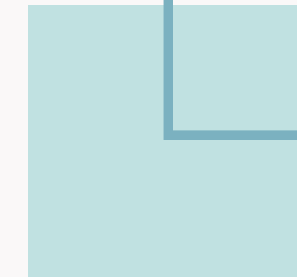
# Riyadh Houses Price Prediction

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# OUTLINE

- **Introduction**
- **work flow**
- **Data**
- **EDA - Analysis**
- **Experiments**
- **Conclusion**



# *Introduction*

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Aqar website that helps the seller and buyer to buy or sell houses in the Kingdom of Saudi Arabia, with selecting the appropriate options for them, such as: price, location.. etc.

# *Work Flow*

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**web scraping**



**EDA**



**Regression Models**



**Experiments**

# DATA

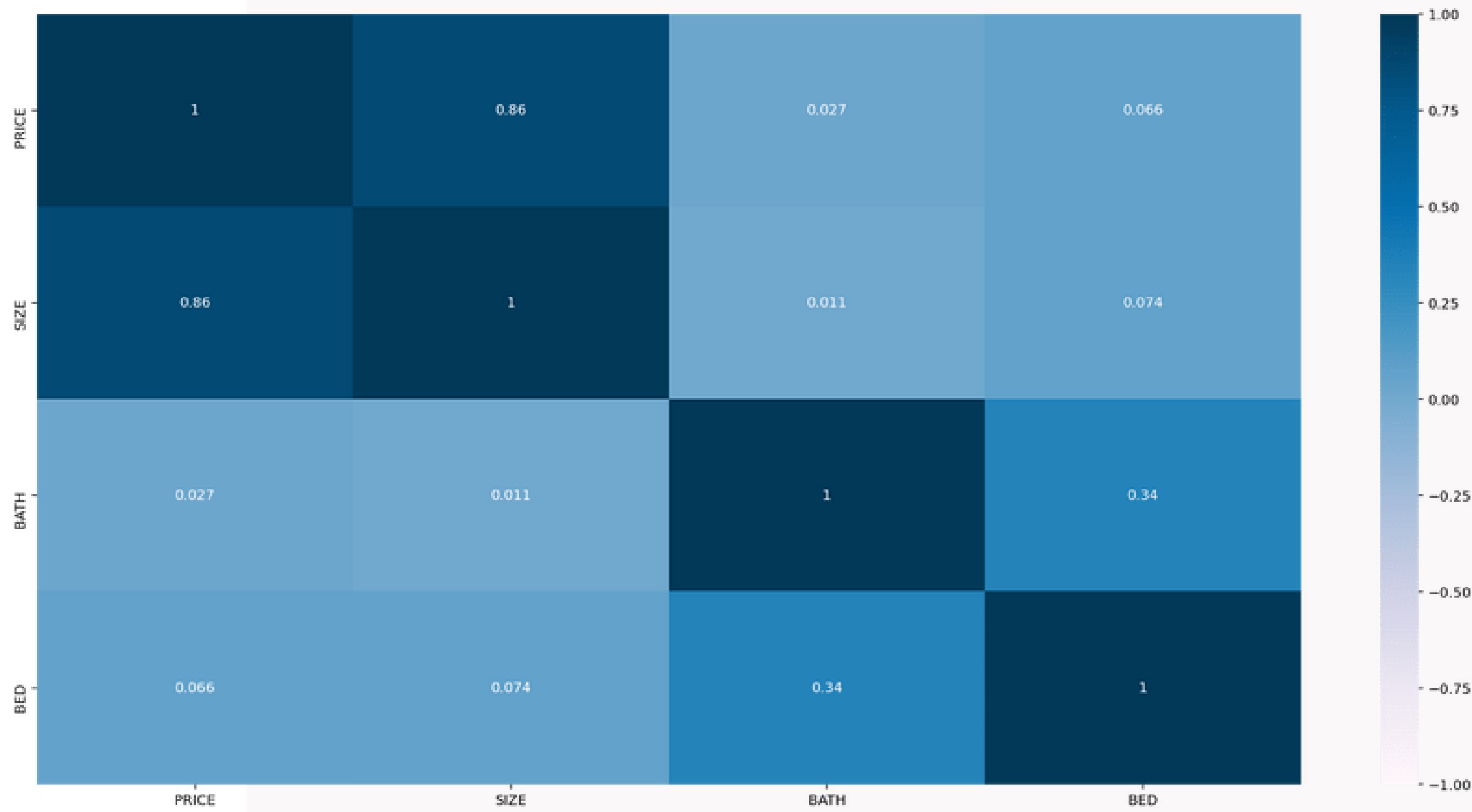
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- Web scrping from Aqar website .
- 1575 rows and 6 columns .
- Data Type :String -Integer .

# EDA

- Convert Column name to Upper case.
- Remove symbols from Columns.
- Convert the type of column "size,price".
- Drop column .

# Cooleration





# Experiments

Model	Train	validation
Base line	0.77	0.28
Label Encoder Regression	0.76	0.59
Adding Polynomial terms	0.82	-0.09
Adding interaction terms	0.77	0.64
Lasso Regression	0.77	0.64
Ridge Regression	0.77	0.72



# CONCLUSION

- We noticed during the project, that model Ridge Regression gave us the best results among the models, and it can help the real estate companies to predict Riyadh housing prices.

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Thank you!

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