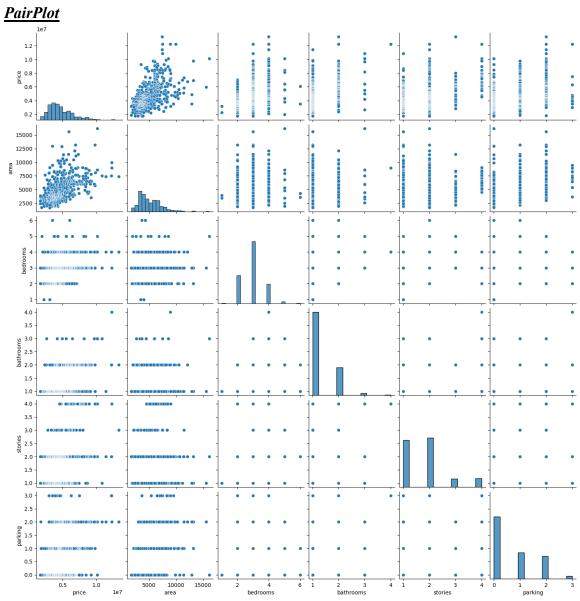
# Operationalizing AI Assignment 1: (Individual) Programming Assignment: House Price Prediction Hiba Hassan (hibah)

## **Visualizations**

- General Visualizations



#### **Correlation Matrix**

	Correlation Fleatinap													
price -	1.00	0.54	0.37	0.52	0.42	0.38	0.30	0.26	0.19	0.09	0.45	0.33	0.06	-0.28
area -	0.54	1.00	0.15	0.19	0.08	0.35	0.29	0.14	0.05	-0.01	0.22	0.23	0.01	-0.14
bedrooms -	0.37	0.15	1.00	0.37	0.41	0.14	-0.01	0.08	0.10	0.05	0.16	0.08	0.05	-0.13
bathrooms -	0.52	0.19	0.37	1.00	0.33	0.18	0.04	0.13	0.10	0.07	0.19	0.06	0.03	-0.13
stories -	0.42	0.08	0.41	0.33	1.00	0.05	0.12	0.04	-0.17	0.02	0.29	0.04	-0.00	-0.08
parking -	0.38	0.35	0.14	0.18	0.05	1.00	0.20	0.04	0.05	0.07	0.16	0.09	0.04	-0.17
mainroad_yes -	0.30	0.29	-0.01	0.04	0.12	0.20	1.00	0.09	0.04	-0.01	0.11	0.20	0.01	-0.13
guestroom_yes -	0.26	0.14	0.08	0.13	0.04	0.04	0.09	1.00	0.37	-0.01	0.14	0.16	0.01	-0.10
basement_yes -	0.19	0.05	0.10	0.10	-0.17	0.05	0.04	0.37	1.00	0.00	0.05	0.23	0.05	-0.12
hotwaterheating_yes -	0.09	-0.01	0.05	0.07	0.02	0.07	-0.01	-0.01	0.00	1.00	-0.13	-0.06	0.06	-0.06
airconditioning_yes -	0.45	0.22	0.16	0.19	0.29	0.16	0.11	0.14	0.05	-0.13	1.00	0.12	-0.05	-0.09
prefarea_yes -	0.33	0.23	0.08	0.06	0.04	0.09	0.20	0.16	0.23	-0.06	0.12	1.00	-0.01	-0.08
furnishingstatus_semi-furnished -	0.06	0.01	0.05	0.03	-0.00	0.04	0.01	0.01	0.05	0.06	-0.05	-0.01	1.00	-0.59
furnishingstatus_unfurnished -	-0.28	-0.14	-0.13	-0.13	-0.08	-0.17	-0.13	-0.10	-0.12	-0.06	-0.09	-0.08	-0.59	1.00
	price -	area -	bedrooms -	bathrooms -	stories -	parking -	mainroad_yes -	guestroom_yes -	basement_yes -	hotwaterheating_yes -	airconditioning_yes -	prefarea_yes -	furnishingstatus_semi-furnished -	furnishingstatus_unfurnished -

Correlation Heatmap

- 0.4

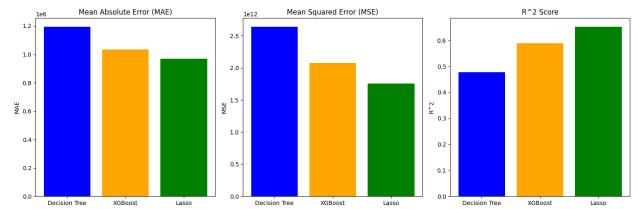
- 0.2

- 0.0

- -0.2

- -0.4

# - Each Prediction Visualization



## - All Models Visualization

