

Business Problem

The dataset contains 16 columns and 506 rows of historical data of the real estate company. Descriptive, correlation, simple regression, and multiple regression analyses were performed to determine the forecast model analysis of the dependent variable.

04_House_Price.xlsx - Excel

Mujaheed Adeshola

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House Price Analysis Raw Data

	price	crime_ra	resid_are	air_qual	room_nu	age	avg_dist	teachers	poor_prop	n_hos_beds	n_hot_rooms	rainfall	Airport_Yes	River	Lake
4	24	0.0063	32.31	0.538	6.575	65.2	4.0875	24.7	4.98	5.48	11.192	23	1	1	0
5	21.6	0.026944	37.07	0.469	6.421	78.9	4.9675	22.2	7.332	12.1728	42	0	0	0	1
6	34.7	0.026924	37.07	0.469	7.185	61.1	4.9675	22.2	4.03	7.394	46.2	38	0	0	0
7	33.4	0.031857	32.18	0.458	6.998	45.8	6.065	21.3	2.94	9.268	11.2672	45	1	0	1
8	36.2	0.06677	32.18	0.458	7.147	54.2	6.0625	21.3	5.33	8.824	11.2896	55	0	0	1
9	28.7	0.029413	32.18	0.458	6.43	58.7	6.06	21.3	5.21	7.174	14.2296	53	1	0	0
10	22.9	0.084608	37.87	0.524	6.012	66.6	5.56	24.8	12.43	6.958	12.1832	41	1	1	0
11	22.1	0.135012	37.87	0.524	6.172	96.1	5.95	24.8	19.15	5.842	12.1768	56	0	0	1
12	16.5	0.191645	37.87	0.524	5.631	100	6.0825	24.8	29.93	5.93	12.132	55	1	0	0
13	18.9	0.157038	37.87	0.524	6.004	85.9	6.59	24.8	17.1	9.478	14.1512	45	1	1	0
14	15	0.202851	37.87	0.524	6.377	94.3	6.3475	24.8	20.45	6	11.12	29	0	0	1
15	18.9	0.111067	37.87	0.524	6.009	82.9	6.225	24.8	13.27	9.278	13.1512	23	0	0	0
16	21.7	0.08964	37.87	0.524	5.889	39	5.4525	24.8	15.71	5.534	10.1736	57	1	0	0
17	20.4	0.488433	38.14	0.538	5.949	61.8	4.7075	19	8.26	5.908	14.1632	39	1	0	0
18	18.2	0.493452	38.14	0.538	6.096	84.5	4.465	19	10.26	6.964	13.1456	49	0	0	0
19	19.9	0.486978	38.14	0.538	5.834	56.5	4.4975	19	8.47	8.498	14.1592	28	1	1	0
20	20	0.719755	38.14	0.538	5.935	29.3	4.5	19	6.58	5.462	10.1848	46	0	0	0
21	17.5	0.57897	38.14	0.538	5.99	81.7	4.26	19	14.67	5.45	11.14	56	0	0	1
22	20.2	0.589291	38.14	0.538	5.456	36.6	3.795	19	11.69	8.504	12.1616	41	1	0	0

Multiple_regression_analysis House_Price Sheet1 Simple my_work