	ISE CERTIFICATION C	COURSE DE	TAILS
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SEMESTER:	8	MENTOR:	Mr. SHARAN PAIS
	Machine learning for beginners- regression analysis using python	DATE:	26/5/2020

4.	The D	ataset a	ndthe	Data D	ictiona	rWiew					Design Q			Pukhraj Parikh Q
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i	Data													
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ŀ	orice 💌 cri	me rate res	id area 🔻 ai	r qual v roor	n num 🗷 as	ze 🗷 di	ist1. 🗷 di	st2 💌 di	st3 💌 di	st4 v te	achers v poe	or prop airport	n hos beds v n h	ot rooms waterbody rai
ř	24	0.00632	32.31	0.538	6.575	65.2	4.35	3.81	4.18	4.01	24.7	4.98 YES	5.48	11.192 River
t	21.6	0.02731	37.07	0.469	6.421	78.9	4.99	4.7	5.12	5.06	22.2	9.14 NO	7.332	12.1728 Lake
t	34.7	0.02729	37.07	0.469	7.185	61.1	5.03	4.86	5.01	4.97	22.2	4.03 NO	7.394	101.12 None
ľ	33.4	0.03237	32.18	0.458	6.998	45.8	6.21	5.93	6.16	5.96	21.3	2.94 YES	9.268	11.2672 Lake
ľ	36.2	0.06905	32.18	0.458	7.147	54.2	6.16	5.86	6.37	5.86	21.3	5.33 NO	8.824	11.2896 Lake
ľ	28.7	0.02985	32.18	0.458	6.43	58.7	6.22	5.8	6.23	5.99	21.3	5.21 YES	7.174	14.2296 None
ľ	22.9	0.08829	37.87	0.524	6.012	66.6	5.87	5.47	5.7	5.2	24.8	12.43 YES	6.958	12.1832 River
	22.1	0.14455	37.87	0.524	6.172	96.1	6.04	5.85	6.25	5.66	24.8	19.15 NO	5.842	12.1768 Lake
	16.5	0.21124	37.87	0.524	5.631	100	6.18	5.85	6.3	6	24.8	29.93 YES	5.93	12.132 None
ſ	18.9	0.17004	37.87	0.524	6.004	85.9	6.67	6.55	6.85	6.29	24.8	17.1 YES	9.478	14.1512 River
ſ	15	0.22489	37.87	0.524	6.377	94.3	6.65	6.31	6.55	5.88	24.8	20.45 NO	6	11.12 Lake
	18.9	0.11747	37.87	0.524	6.009	82.9	6.27	5.93	6.51	6.19	24.8	13.27 NO	9.278	13.1512 Lake and River
Ĺ	21.7	0.09378	37.87	0.524	5.889	39	5.76	5.14	5.58	5.33	24.8	15.71 YES	5.534	10.1736 Lake and River
	20.4	0.62976	38.14	0.538	5.949	61.8	4.72	4.59	4.93	4.59	19	8.26 YES	5.908	14.1632 None
	18.2	0.63796	38.14	0.538	6.096	84.5	4.6	4.2	4.48	4.58	19	10.26 NO	6.964	13.1456 None
	19.9	0.62739	38.14	0.538	5.834	56.5	4.6	4.35	4.72	4.32	19	8.47 YES	8.498	14.1592 River
	23.1	1.05393	38.14	0.538	5.935	29.3	4.66	4.39	4.52	4.43	19	6.58 NO	5.462	10.1848 None
Т	17.5	0.7842	38.14	0.538	5.99	81.7	4.56	4.15	4.36	3.97	19	14.67 NO	5.45	11.14 Lake

3.52

3.59

3.72

3.86

4.09

4.34

4.31

4.13

3.58

3.88

3.45

3.92

**BRIEF REPORT: (POINT-WISE)** 

38.14

38.14

38.14

38.14

38.14

0.538

0.538

0.538

0.538

0.538

0.538

5.456

5.57

5.965

6.142

5.813

98.1

89.2

3.93

4.11

4.35

0.80271

1.25179

0.85204

1.23247

0.98843

6.6 0.75026 House\_Price

13.6

19.6

15.2

14.5

1). Before running an analysis, it is important that we have the right data and do some pre-processing on it. After running analysis we should be able to judge how good the model is and interpret the results.

11.69 YES

21.02 YES

13.83 YES

18.72 YES

19.88 YES

12.1616 Lake and River

12.1456 Lake and River

15.1088 Lake and River

14.1568 None

14.1216 River

13.116 Lake

8.504

8.272

9.192

5.804

7,49

- 2). In this course we try to analyze and identify a business problem which can be solved using linear regression technique of machine learning. We learn how to create a linear regression model in python and study and analyze its result.
- 3). Apply machine learning in real world problems of business and provides a solid base for for it by teaching most popular technique of machine learning.
- 4). The interpreted results should be able to be used for business analysis.