	Chaitanya M. Nawale	- SA PAGENO.	
	BECOB 215	DATE:	
THEFT	ML Assignment No.3		
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*	Titles-Implementation of Linear Regression, Rich Lasso and Elastic Net Regression Technique		
409	Lasso and Elastic Net Regression recomputed		
*	Objective :-		
	· To learn linear Regression technique to		
(HED)	Solve the real world problems.		
Calc	THE PROPERTY OF THE PROPERTY AND TOWNS SEED TO		
*	Outcome & Demoise de la bairon de		
	Ability to apply Regression techniques to solve real world problems.		
	Solve real accord pooleins.		
*	Software Requirements &		
1 AM	Python 3, Jupyter Notebook, scikit-learn.		
	12 = Anolo 2010 pana oume, 6 = Mash-Julies		
*	Problem Statement &		
	The following table shows the results		
	of a recently conducted study on the Correlation. of the number of hours spent		
Y)	driving with the risk of developing acute		
backache. Find the equation of the best fit			
line for this data.			
1	lumber of hours spent driving(x)	Risk score 0-100(4)	
9 1	of whom powers it is to the	95	
	9	80	
		S0	
	10	40	
	16	9.8	
		38	

BECOB215 = = (d+Bx; -4;)x;=0 Linear Regression with scikit-learn'sscikit-learn offers the class linearRegression which works with n-dimensional spaces for this purpose, we're going to use the Bons Boston datasets from sklearn datasets import load boston >>> baston = load-boston() >>> boston data shape (SOGL, 13L) >>> boston target shape (SOGL,) from sklearn. Itnear_model import linear Regression from skleam model_selection import train-test-split. >>> X train, X test, Y-train, Y-test = train test split (boston data, boston target, test_size = 0.1) >>> Ir = Linear Regression (normalize= True) >>> Ir. fit (x_train, Y_train) Linear Regression (copy X = True, fit_intercept = True, n_jobs = 1, normalize = True) >>> Ir score (x-test, Y-test) 0-77371900 odulação do de from sklearn model selection import cross valso >>> scores = cross val-score (Ir, boston. data, boston, target, CV=7, scoring='neg mean squared error')

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