Assignment No-02

01	state Romessian Alaswith in 14
di	State Regression Algorithm in python.
Ansis	
T	1) Linear Regression 8- Multiple linear
	regression is a statistical method used
	to model the relationship between a
	dependent voriable and two or more
	independent vonable.
	30.72.44
	2) Palynomial Regression 3- Polynomial
	regression is a form of regression
	andlysis in which the telationship
	between independent variable x and
	dependent variable y is modeled as
	oth down achinemial
	nt degree polynamial.
	3> Ridge Regression &- Ridge Rigression
	B) Ridge Regression &- Ridge Rigression is a variation of linear regression
	that addreses some of the issues
	of Linear Jegressian.
	4) Lasso Regression &- Lasso (stands for
	Teach Absolute skinkage and selection
	operator) is another Variation of
	linear regression that address
	Some of the issues of unear
	regression.
	1 29 1 5 3 1 4 1 1
	<u> </u>



Q.2. Describe the following term in

Ans8- 1) Numpy &- Numpy is the fundamental

package for scientific Computing

in python. It is a python library

that provides a multidimentional

oray object, various derived object.

At the care of the Numpy package

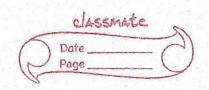
vis the adomay object.

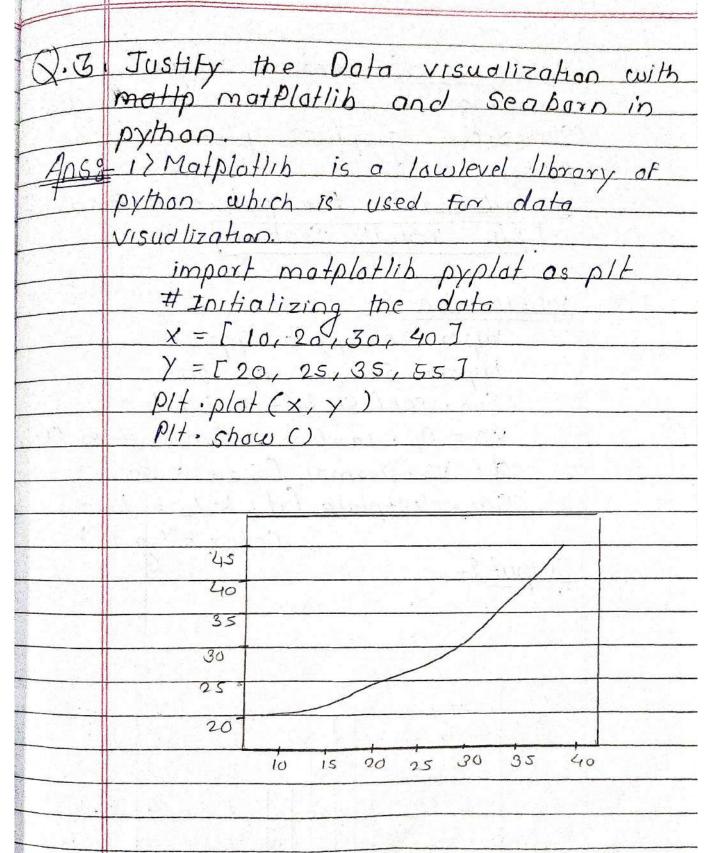
2) Pandas &- Pandas is a pythan
library used for warlang with data
Set. It has functions for cleaning, analyzing
ex import pandas as pd
data = [[10, 20], [30, 40]]

dF = pd. Data Frame (data)

print (df. describe ()).

3) Scikit - Learn & - Skikit - Learn
also known as skeen is a python
library to implement machine
learning models and statestical
modeling. Through sakit learnwe can implement various modine
learning models for regression,
Classification, clustering.







2) Seabarn & - Seabarn is an amazing visualization library for Statastical graphics plating in python.

Installation & - For python environment [pip install :Seabarn]

Visualization &
import numpy as np

import Seaborn as sns

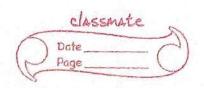
Sns. set (Style = " White")

vs = np. tandom. Randomstate (10)

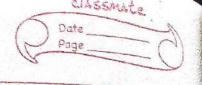
d = vs. normal (Size = 50)

Sns. distplate (d; kde = true,

color = " g")



1			
//	6.4.	Distinguish between unsupervised learn	Supervised and
/	1,00	Unsupervised learn	ing.
/	This o		
/		Supervised learning	unsupervised learning
A		1) Input data is	1) Input data is
		labeled	unlabeled
		Alexandra 1110	
		2) Has a feedback	2) Has no feedback
The second			
		Make the second of	Atolia Sensiti
		3) Data is classified	3) Assian properties
)		hased on the balling	of given data to
		based on the braining dataset	dassity it
		4) Divided into Regression	5) Divided into
		and Classification	clustering and Association
		mo construction	
		5) Used for prediction	5) Used for andlysis
1	19 17 17 18	6) USPOI FOR PREDICTION	
1	, d	e) n 1 number	6) A Unknown number
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().5	Interpret Flask Extension for dutabase integration Cancept in	
4	database integration Concent in	
	pythan.	/
Ans 8	1) A Hask extension for dataset	/
-4==	integration in python typically	/
	telens to a software library	
	or module that extends the	_
	Capabilities of the Hask web	_
		_
	Framework to make it cosier to	_
	work with database and datasets.	_
	2) Flask is a popular web	
	Fromework for building web	
	applications in Support for	-
	database operations.	_
	Here such extension might work:	
	9) Datebase Integration	
	b) Doto Access (
	c) Data Modeling	
	d) Datobase Handling	
Thoriza III	- Integration with Wiewis	
	P) Section for	
	7) Contiguration	-
	for dalas I monary a flask extension	/
		\
	the process of Voval	\
	the process of warking with the data in web applications	/
	built using the flask framework.	/
	J rask framework	/
		/