

Assignment 13
Data Analysis

Title: - Bigmant Sales Analysis Dak of lompletion: -90/11/20

Problem Statement: - For data comprising of transaction

reveals of sales store. The data his

85 23 rows of 12 variables - predict

the sales of a store.

De Loanning Objectives: - 1) Learn regression algorithm

2) Summarize properties of dataset

3) Loann to split the dataset

Learning Outcomes: - Students will be able to durlop a predictive model for sales of an item at Bigmart.

Locuring Software Hardware requirement: - OS (cinux), python libraries.

Theory:

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	me line is a plane ou hyperplane.					
2	Gaussian Distribution:					
1	U the second of					
	It is a Symmetric distribution where most of the descuvations cluster & coround the central park peak of the probability for values jurther away the mean taper off capally in noth direction					
	Probability					
	mean					
	Landing refrance: Everythe will be able to					
	C 1 1					
	Dataset:- 2013 Bales data for 1559 product across Ostores in different cities.					
	Jo13 Sales data for 1559 product across (O stores in different cities.  Curlain aftributes of each product & store have been defined. The aim is to build a predictive model					
	Altributes:- Them-Identifier Outlet-Identifier					
	Tem weight autet Establishment le					
	Item for Content Outlet Size  Them Visibility Outlet Location Type					
	Item Type Outlet Type					
	Them MRP Item Outlet Sales.					

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	Case	Enjected ofp	Actual Ofp	Romark			
	Mean 11 Neighbour for Regression	MSE: 2720662 Root MSE:- 1699 MA E:-1239	NSE:-2720662  ROOT MSE:-  1649  MAE:-1239	Pabled			
0	Desir Tree	R2:- 0.629 RMSE:- 1546	R2:-0.029  RNSE:-1546				
	L'ALBIOTTIPES.	NAE:-1076 RL:-0.146	MAE:-1076 R2:-0:46	Passee			
	Linear regression	RMSE: 1865 MA E: 752 R2:-0.88	RMSE:-1065 MAE:-752 R2:-0.59	Passed			
()	MAE = mean absolute Conclusion:- There I Sales Analysis. Conclusion:	have completed	bigmart	mination.			