

POORNIMA

LECTURE NOTES

	Campus. PCE	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Chris Section Thed CS - C	22-01-2L
		Praven Kumar Yadar	Name of Subject Machine Cearning	6 -54-02
	Date (Prep.); 22	Date (Del.):	16-03-2L Unit No./Topic: L	24
	OBJECTIVE	15. Witten by the early province text of least province.	Sans (Pf. white in halle) points the many topes the s	у - т
		LOGISTICS REGRE	F.SZON	
		ميديد دو يده		
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	IMPORTANT .	UTITATIOTESTIONS:		
:	what is	Cinear and Co	gistics regression? Explain	·
1	in d	etailp		
E	EED BACK QUES	TIONS (AFTER 20 MINUTES	S):	
			sevences between line	a <i>r</i>
	and logi	stips regression	of Explain in detail.	
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OUT stude	TCOME OF THE L	DELIVERED LECTURE: To s lecture, level of understanding	be written after taking the lecture (PL write in t g of this lecture by students etc.)	oullet points about
REFER	RENCES: Text/Ref.	Book with Page No. and relev	vant Internet Websites:	
	1	gression/analyt	<i>y</i>	



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DETAILED LECTURE NOTES

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Difference between Linear Regression and Logistic

Linear Regression

problem.

Linear Regression is continous in nature.

It helps to estimate the change in dependent was a variable when there is a change in independent var, change in independent var.

- wheather prediction

Logistics Regression

Used to volve classification

resposse var is

- It helps to calculate the probability of an event taking place.

- signoid function (s- shaped cause)

- wheather predication-

- vain ou not

- sunny or not

- mow or net

- classification of objects day or not)



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Logistics Regression: " a mathematical model used in statistics to extimate the probability of an event occaving wing some previous data. Logistic Regression works with binary data, where either the event happens (1) or does not eg- you have to build a model to predict how many people survived the citaric ship.

-> employee got a promotion or not. . It a binary dassification (direvate value) 12 used for d'arrification. is is an algorithm for performing binary danification. is the a classification algorithm, used to predict the

binary outcomes for a given set of independent variables. The dependent variable's outcome is discrete.

