PARSHWANATH CHARITABLE TRUST'S



A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering Data Science



Semester: V Subject: Statistics for ALVS Academic Year: 20 - 20	
A COLLATION!	
Correlation analysis compares two variables and	
is called au bivariate analysis. There are different	
types of Correlation:	
* Positive correlation	
* Negative Correlation.	
* No Correlation.	
Exploratory data analysis in many modeling projects exploratory data analysis in many modeling projects anolves examining correlation among predictors, involves examining correlation among predictors, and a target variable.	
involves examining contract variable.	
and between predictors and a target variable. Positive Correlation > When X increases then X increases	
Positive Correlation -> When X	
Positive Correlation > When X increases then X heative Correlation > When X decreases then X heative Correlation > When X decreases and other variable also decreases. One variable increases and y decreases.	
Negative Correlation -> When & orecises and other various	
also decreases. One variable increases and Y decreases.	
No correlation-	
Positive correlation. Negative correlation.	
There is no linear)
There is no linear There	
Nocorrelation	
Subject Incharge: Prof. Sarala Mary Page No. Bepartment of CSE-Data Science APSIT	





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Data Science



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Subject Statistics for AIDS

Academic Year 20 28 20 24 .

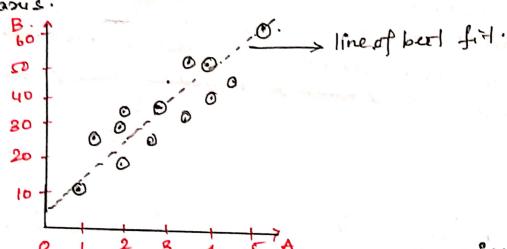
STATTERPLOTS

The standard way to vicualize the relationship between two measured data variables is with a scatterplot. The x-asis represents one variable, the y-axis another, and each point on the graph is a record.

Consider the below points and creat ecatterplot.

•	A	1	2	3	4	5	6	
	B	10	2.5	-2 g	58	60	200	

A will be ploted on x-axis and B will be plotted on Y-axis.



Consider there are so many other plots. When x increases y also increases, a straight line is derived. This is known as line of boil fit.

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