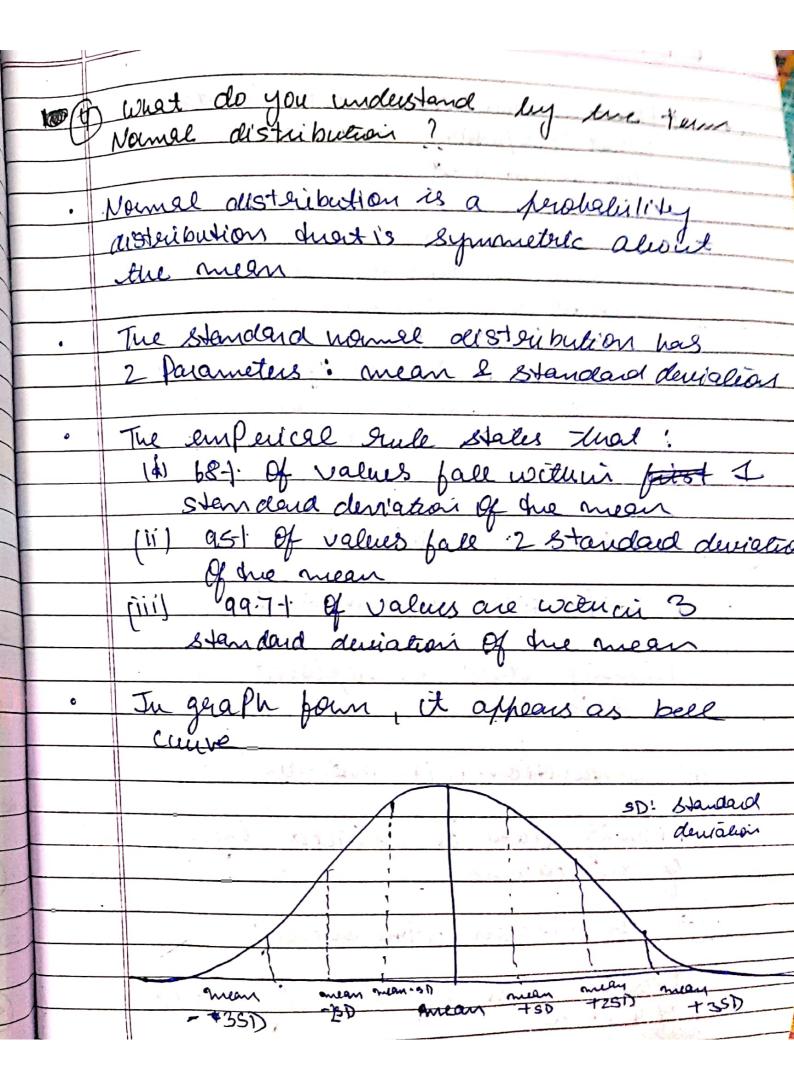
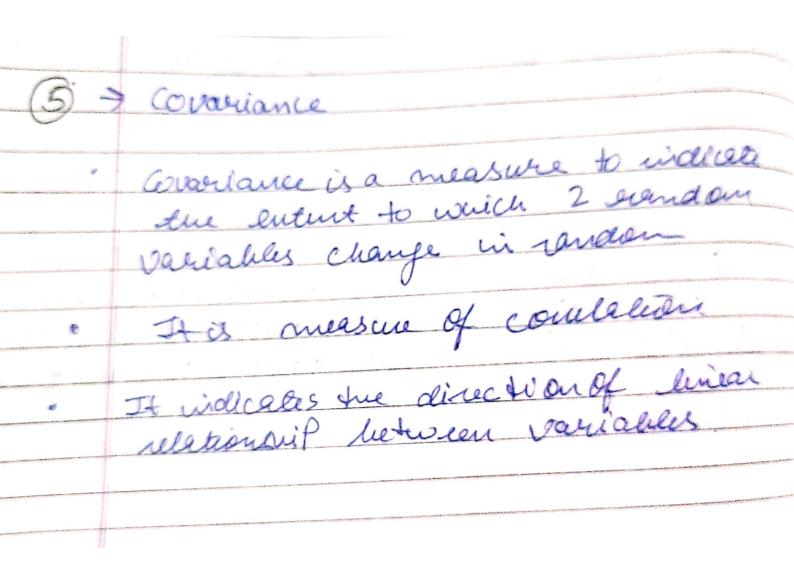
f 1 4		Page No.
1	424	Statistics Workshut -4
()		The centeral limit theorem tells us this as sample sizes get larger, the sampling distribution of the mean sampling distributed will hudome normally distributed will have daya within lach sample are not hormally distributed
	d	The central limit theorem is inforted for statistics because it allows so safely assume that the sampling is to safely assume that the sampling is to safely assume that one sampling is to safely assumes a This chean are use can take advantage of statistic echniques that assumes a manual distribute
	a y	hen you conduct see earth about gub wh of people, it is every lossible to collect data proup every person in that group, vistead ou select a sample. The sample is a group of modern dure s who ede actually participate in the
		Scanned with CamScanner

*	To draw valid conclusions from your result, you have to carefully decide how you will select a sample I that is enfrenewative of the group as a wife
	There are 2 types of sampling melines: Probability Sampling
	It involves transdam 3 election, allocaring you to make strong stocktical inferrely about one whole group.
· ②	Non-Perobalishy Sampling It in uplues how- lighten selection bested on convenience or other outina allowing you to easily collect data.
(3)	Type I were Type 2 enou
	Exice coused by rejecting bule hypothesis when well hypothesis is when well hypothesis is accepted when it is not true false Positivie false relative
	false Positerie false refacine

	Probability of type ! Probability of type? Brown is equal to is equal to one min the level of significance former of furtest
	brown is equal to is equal to one min
2.	the level Of significance former of
1	le lege.
ð	The will be the state of the st
127 1181	decreasing level of significance
	This causeding a
	Smaller Sample
· 145	11 /11/04/160
	Panerful trest
-	





A Correllerion It is a measure used to represent how steroughly two sometom variables are related to each serie It is scaled form of coveriance It measures liver the strength and directions of the linear relations up here 1 Univariate Analysis It is the simplest four of data analysis where data hearty analyzed contains only one variable 3 Bivariate Analysis. It is used to find out if there is a substitution between two varieties If the data siems to fit a line or sculve their trure is relationship bothers 3) Multivariate analysis It is the analysis of 3 or mon variables Scanned with CamScanner

Senstivity à also called. true positive erate the necall or probability of életection It is defined as the ability too of a test to measure the perphorticar of Positives that are conectly identified Positives fai TPO 8). Hypotuesis testurg is used to choose between two competing by formesi detween two competing hy formesis
about the value of a population Ho. It is reflered as well by Potresi The hypothesis to be trested is mull en amed malerie Scanned with CamScanner

	In contrary,
	to contrary.
•	Hy: The other by Potresis which is
	hypodnesis is falle is called alternates
	hypodnesis is falle is called alternation by Podnesis
	V
•	An alternative by Potnesis that spenful
	that the facamolic can be on either
	side of the value specifica by Ho is called two- so failed test
	is Called 400- 5 Author No.
	Ho: 4=100
	HA: UZ7 100
	T .
0	
(9)	Qualitative daya
	TI
	It is a set of numbers collected prom a growth of people and in volues statistical analysis,
	Statistical and meanle in product
	andry's
•	Sublitature deta
25-1290	
	It is set of information which can
	It is set of information which can not be measured usung numbers.
•	It 90 010,000 1
	It generally wasist of words, subjective.

harratures Result of an qualitative data analysis can come in four friends of highlighting per words, intracted information and concept ilaboration

Page No.

(g)	Raye!
	R= man-min
	July Quartile Rabye.
	IBR = 83 -81
	93: 3rd quartile 81: 1 st quartile
	31 Martin

-	[[I] And []
117.	Normal allsteribution is
	restribution duanties and probability
	Normal allsteribection is a perobability asteribution durant is symmetric about
	The Standard namel all'staubution has
	2 Parameters: mean & standard devialens
	in the contract of the contrac
٥	The emperical rule states that:
	(ii) 951 Of values fall within fitst 1 Standard derivation of the mean (ii) 951 Of values fall 2 standard deviation
	Standard deriation of the mean
	(ii) 951 of values fall 2 standard devices
	of the mean
	[iii) 99.7-1. Of values are waturin 3. standard deviation of the mean
	standard deviation of the mean

The most effective ways to find all of your owties is by using there of guartile Range (IDR) (12) The JOR condains que middle bulk.

9 data, so outliers can be easily
found once you know. Ine JOR An outher is defined as heing any fount of data quartile, (9,) or above the first quartile (9). in a data set. High = (03) + 1.519R Low = (81) - 1-519R of obtaining results at least as entreme as the observed results of a statistical by Pothesis test assuming that the

The P-valen is used as an alternative to rejection points to persuale the smallest level of structione at a will my portures will be rejected Buismual Pubality Somulas

Pu = (n) Pg P= binomical perobability

n= member of times for aspecifice

out white medicine in the assertion n) = mumber of tomburations B.p = Perobability of Succession a Siyle terral = propalitity of failure on a sivju terjal. h = hunder of tuals

Analysis of variance (ANOVA) is a stastical technique that is used to check if the means of two or more growth are significantly different from each other.

ANOVA checks the min Pact of one or more factors by comparing the mean of different samples.