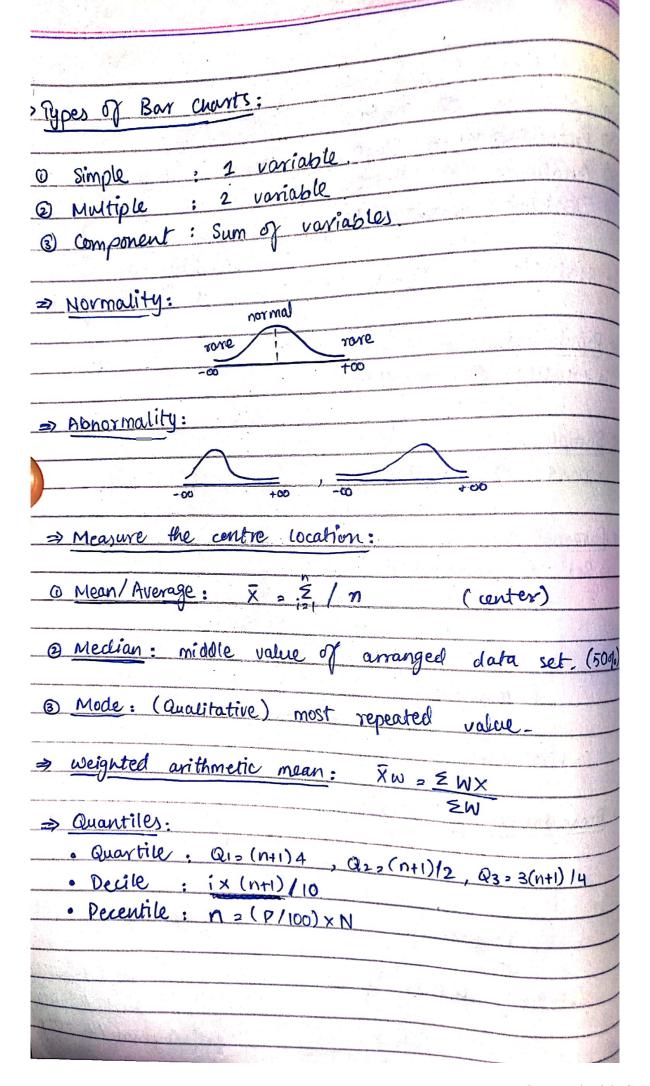
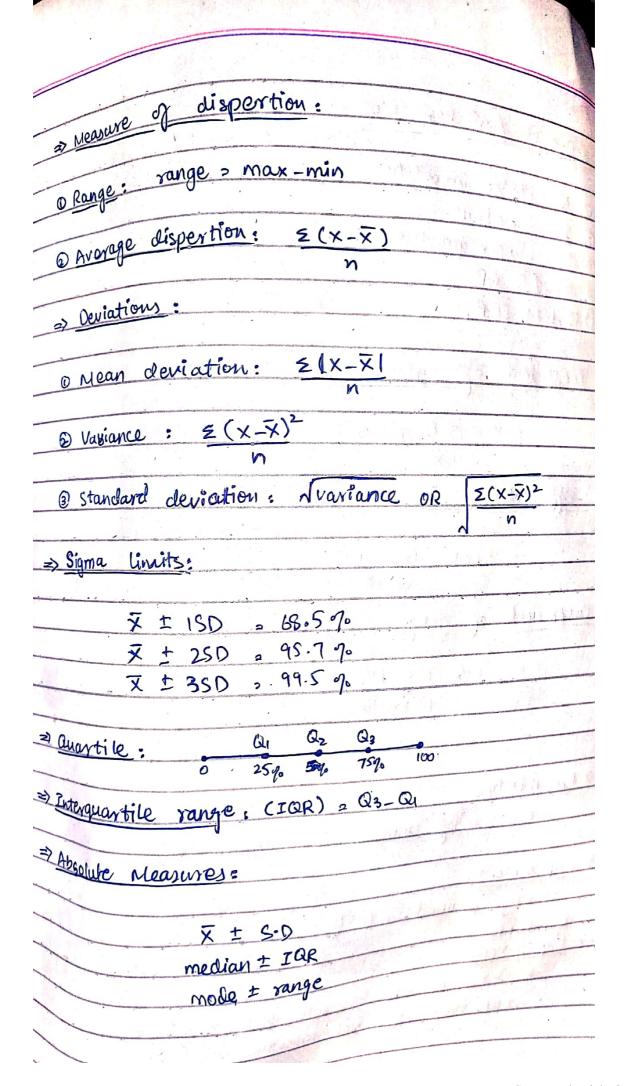
Prob Summo	ary"
and the state of t	
2 statistics:	
o Collection of Data:	
@ Presentation of Data.	
3 Analysis of Data.	
@ Desiction about Data.	
-> statistic is "Umbrell",	prob is "part" of i
>> Population:	A
> totality of anything.	ATT AND COMMISSION OF THE SEASON AND THE SEASON OF A SEASON OF A SEASON OF THE SEASON
	P DE VERTIGE
- Sample:	NAME STATEMENT OF THE PROPERTY
-> part of population.	
→ Parameters:	
> Set of characteristics.	
	Deta
> Set of characteristics.	Duta
> Set of characteristics. Collection of	Data Sewndary Data
> Set of characteristics.	Secondary Data
> Set of characteristics. Collection of Primary Data	No.
Set of characteristics. Collection of Primary Data First hand / raw	Secondary Data
Set of characteristics. Collection of Primary Data First hand / raw	Secondary Data
Primary Data First hand / raw Presentation of Data:	Second hard / calcular
Set of characteristics. Collection of Primary Data First hand / raw	Second hard / calcular
Primary Data Primary Data First hand / raw Presentation of Data:	Second hard / calcular
Primary Data First hand / raw Presentation of Data:	Second hand / calcular Graphical
Set of characteristics. Collection of Primary Data First hand / raw Presentation of Data: Presentation Presentation Presentation	Second hand / calcular Graphical
Set of characteristics. Collection of Primary Data First hand / raw Presentation of Data: Presentation	Second hard / calcular





⇒ Box Plot / Wisker Plot:
O Q1 : lower quartile.
2 Q2: median
3 Q3: upper quartile.
@ Q1-1.5 IQR.
© Q3+1.5 IQR.
=> Coefficient of variance:
C·V 2 S·D * 100
=> Coefficient of IQR:
C. IQR > Q3-Q1
Q3+Q1
=> coefficient of range:
C.R = Max-Mly
Max+Min
=> Probability:
-> Measuring chances of uncertainity
=> Enperiment:
-> Any planned activity.
Random =7 Enperiment:
-> Outcomes are known, but exact
outcomes are not known-

3 Sample space:
-> A space that gathered all possible outcomes
of random experiment.
2 Outcomes:
-> Each element of sample space.
=> Event:
-> Outcomes in which we are interested.
=> simple probability formula: P(A) = lim n(A)
n=a n(s)
0 \(P(A) \(\leq \)
chances = probability * 100
P(A) 21-P(A)
=> Properties of events:
O Mutually exclusive event:
-> events that can not occur together.
P(AnB)
1) Muttally inclusive event:
Samuel CON OCCUY LOGENTO.
P(AUB)
1 Independent: coin toss.
from deck.
@ Dependent: picking cord from deck.

Join Probability:	
(i) mutually exclusive:	P(AUB) , P(A) P(B)
(ii) non-mutually exclusive: P(The second secon
(iii) P(ANB): Independen	nt: P(ANB)= P(A).P(B)
(iv) P(ANB): dependent:	Baye's theorem.
Possibility	Probability
-> Possibilities one	-> Probability is
in numbers	→ Probability is like occurance
· 3 cetter 1	
· 3 letters, 4 digits	
<u>26 26 26 10 10 10 10 10 10 10 10 10 10 10 10 10 </u>	0 = 175760000 possibilities
complete possibility	Reduced possibility
@ Repetition is allowed. ② Dice.	@ Repetion not allowed
3) No reduction.	3 One-by-one reduction

Permutation	Combination
- Difficulty for	
o Order do matter.	@ order do not matter.
Ø AB≠BA	@ AB = BA
o if objed, arrea	3 if obj=3, orr=2
then, 3P2 = 6	then, 3C2, 3
o npy, n!	9 nCy 2 n!
(n-r)!	(n-2)! 2!
sconditional probability:	The second control of
	Vegetalay (W. 1
i P(AIB) = P(A NB) P(B)	
(i) P(BIA) = P(ANB) P(A)	
⇒ Distributions:	
@ Binomial Distribution	
P(n)= Cn	. p ⁿ . q ⁿ⁻ⁿ
· n = number	or trials.
• 🗓 . 4	a success trials.
· O ovahahi	litu or success.
· p 2 probabi	a tailure
1	0
@ Piosson Distribution:	(time and space)
The state of the s	-M x
p(n) 2 e	-m. m 2 :. e = 2.718
P(n) 2 e	71!
	n! ne / mean er of success

Marine Branch	
(26) Approximation:	
1 - 4 0 1	14.19.33
-> when n>100 and pc0.1	v. HAR
\rightarrow $m = p * n$	- notalitation
	110
3 Normal Distribution:	
P(x) = 2 = x - M	
\$	
n = required value.	
ν = required to the second of	
c : standard deviation.	Y TO STATE OF
⇒ Covariance and correlation:	10.00
$cov(x,y) = \sum_{i=1}^{N} (x_i-\overline{x})(y_i-\overline{y})$	7
N Company of the second of the	tent.
COR = COV(X,Y)	
S.D(x)xS.D(Y)	
:. S·D > \(\(\(\infty \) \) \(\(\infty \) \(\inft	
N	
	1944