The state of the s		
*	subject Data Science	MON TUE WED THR FRI SAT SUN  3rd September, 2022
7	Surject	3 3 70 100
7	Statistics Note	(Day-1)
	By Krish Nail	< Six.
	-0	
TO	Prisoner to barry	of Continue of
*	What is statistics?	
	The state of the s	
7	> Statistics is the science	of Collecting,
	> Statistics is the science organising and analyzi	ng the data
	U V	
-	· IM A ic D Ao 2	· / · · · · · · · · · · · · · · · · · ·
	What is Dator?	The state of the s
	> "facts or Pieces of inf	ormation!
Egg	Ages of Students in a	cysport.
	524,25,32,29,28 =>	Mean Median Mode
	3 224,25,32,29,287 =>	03 tandard
	1) Weights of Students in cla	
-	( ) waynes of stock is	13000
	Life Cycle of Data Scie	nce Projects:-}
9 //		
		(=0)
	(EDA) (FE)	(FS)
<b>6</b>	15	eatize Model > Hyper-
48	Dota Ananysis Engineering S	election Training Toning
4		Training with Algorithms)
9		/
4		the n
	your writing partner	the performent model
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13		
<b>A</b>	Subject	MON TUE WED THR FRI SAT SUN
7	Type of Statistics	L. V. T. M. L.
7	Descriptive Stats	Inferential Stats
-	(EDA+FE)	ARIS DIECES PROPERTY
		(E) Making Conductor
	L) It consists of organising	and Sumarizing the Data.
7	Histogram	Bar chat
7		The state of the s
*	>Pie	Control of the second
	C	Distribut
<b>→</b>	>> Box plot	
-	A >(Scatter plat)	Candle Stic
		Weight D
	your writing partner  X  Z  A  DI-15	X1, Y1
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	Subject MON TUE WED THR FRI SAT SUN
2	Infevential Stats:-}
-1	$\rightarrow$ $\tau$
· · · · · · · · · · · · · · · · · · ·	It Consists of Collecting Sample Data and
7 9 9	raking conclusion about populations data
	It consists of collecting Sample Data and Making conclusion about populations data Using some experiments
	The state of the s
(A)	Making Conclusion => by Hypothesis Testing
Taker.	The Country of the Co
	(Example:)
	University > 500 people
18tm ( > 6	Class A 5 60 people
	1
	Sample data - Age of Agerose of Age
100	Sample data = Age of Average of Age of the entire university
1	11.12
1	Hypothesis Testing
16 1:42:0	[C.I] = Considence Interential.
M. 160	KINZ DISCOURT OF THE PARTY OF T
	P- Value Testing
	VIII OC (CS1/Mg)
0	Ztest
2	t test 10
<u> </u>	Chi Square Test
<u>(a)</u>	F test
	ASY TO SEE THE PROPERTY OF THE
	Sample Conclusions Population
( 12 /	Data Doto
	your writing partner Hy Police
	Testing 6
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*	
	Subject MON TUE WED THR FRI SAT SUN
	IA ) Control of the
	Sample Data Vs Population Data?
	Les products by (11811)
	Punjab State
11.0	(xit pol)
	(10 cro) (Party A 1211) 100
· CC	
	Population Data Party 12 will Love
-	
-	Sample Size = 1000
	0.50 = 1
lea.	7-01
Eg	Let's say there are 20 classrooms in a
	University and you have collected the age of Students in one classroom
	01000000 M 0100 CM 330 8817
	Ages = 21,20,18,34,17,22,24,25,26,23,22 }
-	Weights = 2
	(2, 6, 1)
	Docksilds of the 1911 is 11
	Destriptive State: - What is the average age of Students in the classroom?
	) 000 1 1 1 1 1 CH 220 0011 5
	Relationship between Age & Chender?
	of digitals.
- A	
	Inferential State: - Are the average age of the Students in the classroom less (more) then the
N. P. O.	average age of the students in the university
Hypo	
· Te	
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	MANUTHE HITD THE FOUNDATION
	Subject Mon tue wed thr fri sat sun
	population (N)
	and all and all the strength of complete the
	Sampling Techniques
	Mala Maria Mala do Maria de Mala Cara
~	oct William V
	Simple Random Samplings:
1	MANAGERIA MANAGERIA CARILLA CA
	equal change of toing selected for your somble(1)
	equal Change of toing selected for your Sample inte
	n = 1000
P dev	(C) K18 >18 Random Sampling
	manufaction in hose military of the
	TO THE HOLD BY A STATE OF THE S
(2)	Startia 1 a
1	Stratisfied Samplings:
1	-) Strate
	Clustere -> Crowps
_ (E)	
	Males High School
	Sender Education Master
	Blood group Pho
. 134	
128	Population (Exit Poll)
12.10	2 ( 1 K. D. Call ) A control of the
1 storick	
3	your writing partner
\$ T	Not Vote Random Sampling
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	Subject	MON TUE WED THR FRI SAT SUN
3	Systematic Sampling:	Jovenster (A)
Eg	Scaedit Cood)	aldoisok II
	Select every not individual out individual out i	5th person
		=> (am) => coedif con
		Chr 3 solve / Williams
4	Convenience Sampling:	xol Withtitage O
	Only those who are interested will only participate.	ed in the Survey
€g:-	¿ Data Science Survey -> Cx	
oh saivage	Efill the Form } Neuro	
	(Assessment)	
Su	rvey Regarding New Technolog	Convenience Sompling
6 DR	BI Survey (Women) -) Strati	fied + Kundom Sampling
CC	rour writing partner and Stratified -	Scanned with CamScanner

	MON TUE WED THE FEI SAT SUN
	Subject Mon Tue Wed Thr Fri SAT SUN
- 1	
$\bigcirc$	(Variables)
	I vorsiable is a property that can take any
	values.
3.07	- Variables (Variables)
	Age = 14 Ages = [24,25,26,27,28] 7
	Age = 25 Collection
	Age = 100
7.7.5.4.1	
<b>A</b>	Types of Variable
	19PES OF VARIABLE
	Quantitative Voriable , Qualitative Variable
	CONTINUE MOTOR
	and the last restain remark of south illy Cal.
Name :	Discrete Variable Continuous Variables
	Quantitative Variable:
	> Maca - Acht - Carrier - 2
	Theasured Numerically & Mathematical operations
	Are Weight World and Old a Down Day
	Age Weight, Height, rainfall (cm), temp., Distance
(1)(2)	Qualitative Variable:
1/	(Pill II)
2 illand	your writing parner Voriable Based on some Characteristics your writing parner they are growed together
	your writing panner they are growed together to Egy Chender Type or fler er in Scanned with CamScanner
	Too Exis Gender, Type or flowers
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<b>*</b>	
•	Subject Data Science Mon the wed the fri sat on
*	Quantitative Variable
	Discoete Variable Continuous Variable
€ :	- (Whole Number) -> fixed Eg: - Continuous -> Decimaly
eg:	- No. of Bank Accounts & Eg: - Height, Weight, 990, (1,2,3,4,5} > [2.5] x Rainfall, Speed
eg:	- No. of children -> Whole Number &: Maried Married Procede = fixed, Wet Married Wet Married
•	Categorical Variable
<b>*</b>	Assessment
<u>u</u>	What Kind of variable is Marital Status? > (Categorical)
6	What Kind of variable is Ganga River Rough? => Continuous
	What Kind of variable is Pincode & Discrete What Kind of variable is Pincode & Discrete What Kind of variable is TO & Discrete
4	your writing partner

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