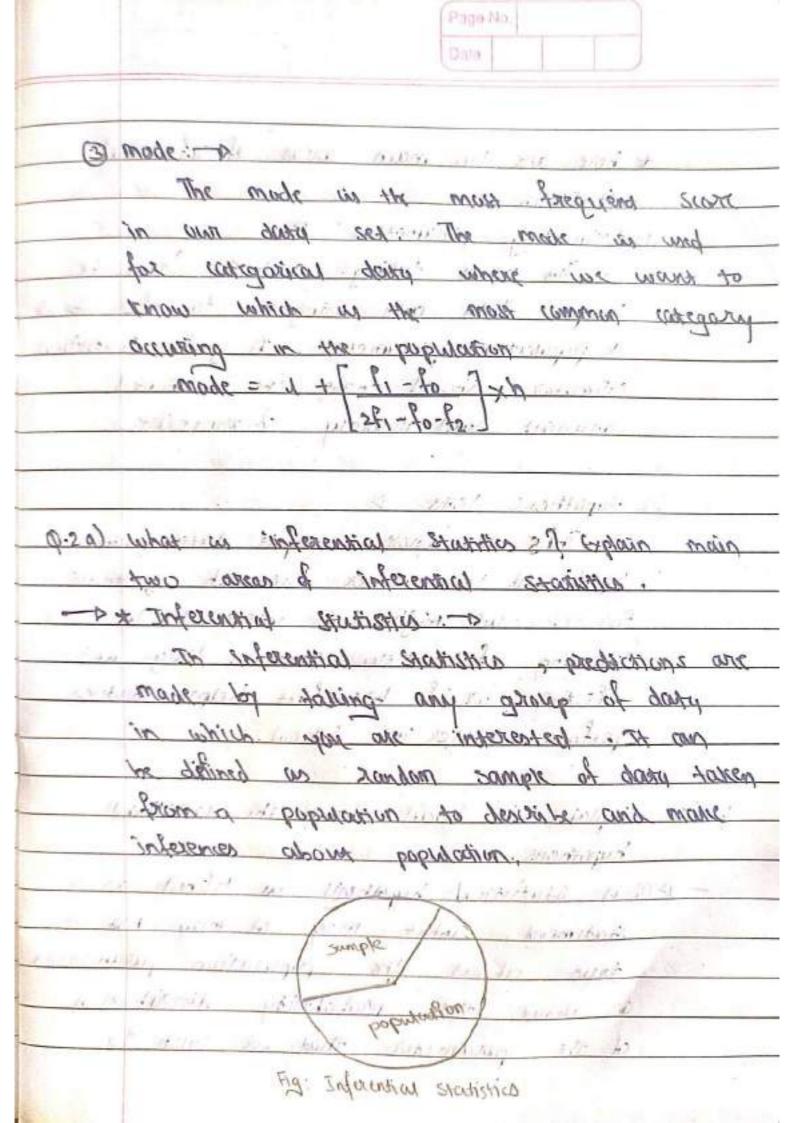
Assignment No.1

	Time of space force
9.10)	types of descriptive Statistics? 1184 and the
PA	Pensiphine Statistics to
W. 1707 W.	a properties of the dose it helps to
	summatize the duty in a meaning has drawn
1 -2 -2 -24	patterns to remerge from the data
	Henrify the properties of days The wed to
	helpful in underestanding the distribution.
	generalizing bayand the data.
*	Types of developing statistics:
	These are two types of densiptive
16 0	a) measures of rentact Tendency:
	Thus includes the mean median
377 - 271	and mode and hermotars
	b) measures of optor spread or dispersion:  H includes sange, quartiles variouse
	and standard deviation, quartiles, various

Page No.
write in back:
mean: - > waster and the same to the
Hear is the most commonly laved
encuring of central tendency. It actually
represent the average of the given
policying gard . It abbigg for pass comments
- and girtele galding
It is equal to the sum of all the
names in the conscious of guid gings
by the total no of walves
T = MITMLTHS + + NO
at not post Newstern or lategral
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7 = 12 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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The Control Survey Chille In Chapter A
we will be made that the start
median:
Median represents the mid-value of
the given set of dota when
comanded in a booking orger
The mechan for grouped dute on he
columned wing the formula
$median = 4 + \left(\frac{1}{415} - \frac{1}{616}\right) \times \mu$
The same of the sa



*	There are two main oness of inferential
315-12	SIGNATION: CONTRACTOR OF THE STATE OF
1-0	Estimosting pultameters: De
60 F R	This means toking a static from the
and a second of	Sample duty and using it to infer about
1 1-1	a population parameter. A good statistical
	commatar should have the unbiased,
	consistent and appropriate.
N. A.	ansoned some different attention
(3)	Hyputhesis delts: D
1-30	These is when sumple dates can
	be will to answer research questions
200	For ex. we might be interested in
1400	tendring of of the content drug is
	effective or if breakfast help's dildren
	bester pested in school .
0	to some mobile or boutst. and
0.59	Explain in detail about the statistical
	hypothesis
-20	A statistical hypothesis in defined as a
	Stagement, which may as man not be
	true cobout the population congresses
	momentaistable regilidadord not wade to
	of the parameter that we wish to
	Of noise

	Date
	Validate in the Last I
Co	validate on the basis of sample information.
(8)	most times a experiments are performed with
potent.	population . Delar before braining inferences
	about the population it should be always
	kept in wind that the observed
	sterrite might have form the one
	chance factor.
0	In order to how on accuracy of
	more precise inference, the chance factor
100	Should be fully out
0:4.1	C. C
4.74)	Explain in detail both manipulation.
	In involves manipulation or manipulating?
25/4	duty uning appailable set of pariables.
March 1	This is done to enhance. according and
	association with data
6	Actually, the data collection process
	Com proces and controlled brocks
62	can have many jusphiles . 1778
(A)	year one nogimes mingrapher finger
100	which had to manuscry in duty such
0.1	us nendral equation of respondents,
	personal biases, difference lesson in reading
	of mulnines returned
	and the same of the same

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0	To lesson there manufactes, date
Mary Wall	manipulation is done for interesting the
21/27	willie administ in date.
(3)	Thu strang is also known as dard
a Contraction	mrangling or data charing
9.36)	Explain different ways to manipulate
—Þ:	LOSTY ways to manipulate (Treat
3 27 31	duty are as followed . D
	Manipulating data using intoxist base
	This is the first thep; but is after
Carriering	sepositive and time woming . Hence,
- MA	it in the efficient may to some the
liver	prublen.
	months attended and the contractions
<b>3</b>	The of bornader for great windsbriggion;
=ul:	a you wagner There campaer are a
- dar - J	consection of por whaten commandy
- 11	bestorm the sebesitive tank book
	reduce original is along.

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3,	me of me also for days manipulcipan:
Altabatas	me algo, like tree based busting
	algorithms to take of missing
V-2/10	dusty and outliers. There appointmens
1/10	are len sime comming.
7	thin is also kinders
(1.11 d)	Explain the following packages:
E 40	i) deplys parkage : >
era)	by Hadley willham This pockage has
17	everything to auxierate data manpulation
9.63	efforts the work host for date
and the	exploration and transformation Tt
4,4,1,1	include 5 maly manipulation commands:
0	titles - It fitters the data based on
CON.	a windiffium, and
-	notalization to respect that we not the
(6)	Select - It is used to select com of
	interest from a data set.
(3)	assange - It is med to assange dusty
	Sex yours on ascending or
	descending order,
	- James

	Page No.
	Dale .
9 6	aign starts or brunch in A - stateman
	P. Commission of the commissio
- 1	Vardaliez form existing variables
	Summarine - It is und to perform
	analysis by downonly used
	operations such as min, may & the
13 11	supporting presented and ninger as
-	a special moly ball
istari ii	data table conside : - 1
117	This parkage allows to perform
VI STORES	fanter manipulation in dateiner . A
11.50	data table has 8 pasts namely
	DT FI Sala 7
	of Est Me was tell Re to
	Subset the row wing to
1784	commenter ? which is grouped
	ph ph won of the fine (m)
-	selected to confequenced contables
12	STATICK.
	OT [where, select / hpdate /do , by]
xme37	
	and the first that the same of

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b)	bus no motion attal primoles on and
123 F	agrantages :
11	Scarter plot:
	A scatter plot in a graph in which
128	the values of two voriables are
	THE COURSE AND OVER AND CELLY CITY
	bjothed aloud for axes the bentlesse
	of the resulting points revealing
- 9	any losseration brevery
deservi	may deliver and goodly of a
	Limitation and war was a second of the secon
n	with supper diagram we cannot get the
1141	exact extent of conselution
0	Quantitative measure of the relationship
	been the yourable connot be viewed only
	show quantitative expression.
(2)	The relationship can only show for two
1. 1	Joseph Janes Janes Janes Janes
P	ment and his grandeniant right
7.31	Advantages ! As A Marie !
(5)	Relationship bean two variable can be viewe

(3) platting the diagram in new simple.

(3) observation and reading us easy to understand.

(9) For non-linear postern, thus is the

Page No. Date (ii) Histogram: D. morgan (ii) A histogram represent the frequency HE association within to purpositub present humorical duty and as drawn In such way what there is no gap been borness at mile thing continued starting youthered the de Limitation: Livery contribution pass a histogram our present down mad in misteading as it has many busis. and pure see sets and gota are used, but to analyse terroin types of Harritical plate to ess out man scom, plate one occasion, was and to the year of the strate of the state Advantages: when he provides in the to the freshall ythouses of 1944 FE the frequency of the duty excusing in the distinct and entergosses which are difficult to interpret in a mad sumdich. It holps to visualise the destribution of duta. we in the same hang as in the same of the

agout all discount and and the
p.6a) what is down type? I say out the types
with example.
- A distatype describes the charactoristic
of a narbary. It gither what type
of data we are going to stare in
verially yellows and I have
TOUGHT, property of the track
There are six standard bata types:
@number: D
In rumbers, there are mainly 3
types which indudes in flood and
tomprex surveys: I as supply the
example:
Sample.
a=5 - A integer number
b=2.5 > flood number
( = 6+27 - complex complex
- 1/2/01 1°+
(2) string: - D morry " de l'act de l'agri
A string is an ordered bequerie
of character , we can use single or
Of CHOMING CO. CO. SOUTH OF STAINS
gamen anotes to sebsessing stains.
Example:
Sta = " welcome"
f, was
and the same of th

and were that I sayed much the fitter of 31181: A 1/24 cun contrain a service of wahren list wariables one declared by using what, reduction is the A. C.I desired means we can modify the 1124 example: free act one of the 1154 = [.2.3.4,5.5, Hi?] a : As James 19 With a the skell wallend at (4) Tuple: - D. white it down my A type is a sequence of python objects Separated by common Tuples are immutable justily means tupes once created connot be modified. They are defined wing parentheres (). Example: Tuple = (50, 25.6, 66 python") wind tacker in the print of B) Set: D A set in an unordered conscion of Hems - set in defined by values separated by a common inside braces / 3 Exampri. Set = { 5, 1, 2.6, " python" }

Fada Mo-

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		a comment
. n. 6	Oschonory	
		ns one stared and
		3 Ney . They was
	wed to store hu	ige unions of data
		fined within braces
	4 4	Language,
	Syntax :- 0 Key : Val	
Dit A	example:	- Charles 10
A) 28/-	Dide to 1 : Hi'm	2:7.5, 3: (100) }
		. 411 F
9.5 6)	Enumerale the has	booksom the bins
	with example to it it	1721 -8
P(C		botteto us didus no
	and changeable. 3	Amoun ado H
	duplicate members.	
E	It is defined by	wing brackers [].
		things durated
	a) append():->	Hapritish
THE.		ling and adding
	elements to the	end of the list
	examble:	
	months = [ Jan " Feb?	Max James 12
7.	months append ( Aps	E) wind with
		to make accounted

	Page No.
	d-:11 pros (d
	sort a list in amending identending
- 6 ×	or unex - defined order
	constitute and today
	prices = [.23.8, 287.81, 238.91]
25011	propertison Orange and the second
	psint (prices)
- 10 A	STATE OF STATE
	c) extend():
-	Addy each element of iterable to the end
-	of 11st.
1	Example: x=.[1,2,3]
	x. extend (C4,51)
102/2	paint (x)
	constant order we add revende there
	d) Todex():
	- Between the prost juga where the
	element appeals.
	examble;
	months = [' Jan', "Feb; Max']
	months index ("Feb")
	2 grantes
	e) max():
9	The maxes function will return the
	highest value of the

	Page No.			
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N 1	Example 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	price = [159.74, 27.13, 209.89]			
	palce max = mox(prices)			
VIDE-	print (princ-max)			
100	the first of the same of the s			
(2	min ():			
117.	· columns the minimum of all the demand			
STATE OF THE PARTY	of 11st			
	prices = [159.34, 37.15, 209.89]			
400	price _min = min(prices)			
11	print ( price -min).			
	and the formation and passes			
9)	180.0) while you south is to the			
	lead function shows the no of element in			
	a 1/4. Exampy : Smooks = [ 75.14, 89.16, 90.1]			
	print ( len ( stocks)).			
1	with the the state of the state of the			
(4)	apap (). Mil marre garage 1 or I see			
	This method semoves the item at specified heles			
	Ex. prime-num = [2,3,5,7]			
200 \$14	parties for the same of the sa			
	(mun-smire) to ira			
	Gerra Horning			
11	Chear ():			
_	This method removes all the element from a 110			
	ex. not dearl).			

	Page No.
6.10	
4.64)	Elycodase the spring and its memodo with ox.
-> (	to money a sensenty of
	characters, completed
	ex. Hz = " Data"
(3	Heing can be wreted using single
Antimate (3	at double questes com he accepted
	ph mind the worked of ingesting
4 4 9	ex. HT 1= " Sahly"
@	To access a tange of characters, in
	string, the method of thing is
D Way 743	ex. Stay = " Sahir! " wing colors."
	1. 62 MAY ( 1841) CHAY C 200
<u>S</u>	string in pythan can be formattal
	Libert to a use of format () method
In William	tool for formatting.
	Ex. 1
	8121 = "[] [] [] [] Y" formas (" toxecks", " whan",
	" (nod?) Comer many to desire
-	(18H2) tring
	1) 40.762 //
r - 1	and it we recover himself with
	10 Ke 21 437 123

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	Date
Q.66)	what as dictionary I explain methods available
	in distingery.
-00	Dictionaries were used to store data values
	in Key - nature tarsis.
(3)	a distinary in a collection which is ordered,
LIV	changeable and do not allow displicates.
0	creating dictionary: ->
	in proportions said appleated in them
	unity brades and a way separating each key.
	syntax: Old = ("Marre": "Sabol" "Roma": 140 }
(4)	Accessing the dictionary yours:
	The key of did can be used to obtain
	the values because they are unique from one another
	tx. Employee = 4" Name": " Dev" = " Age" : 20 }
	print (" Mame: 1.5") Employee [" yame"])
	print (" Age: 7.d" - Employee ["Age"])
(9)	acting element using pop () method is one
	of the way to get sid of dement from dict.
	ex. 0/4 = 21: "Heyo", 2: "Hey", 3: "Hij" ]
	pop_hey = Did , pop(2)
	print (Dict)
(6)	Iterating dictionary can be iterated using for
	jorb : examble:
	emplayee = ["Mane": "Sahij" "Age": 21 3
	for x in Europayer:
200	bring (x)

