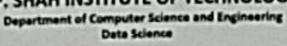
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Semester: \$	_ subject Statistic	for ATAS	Academic Year: 20 2	3 2024
Employing the	Pata Distubution	m:		
The estimation	that we have a can be expr	corned	so for in	dicale
that the da	a can be expr	ested in	a single nu	mbel
to describe i	Le Occation or	anability		
We mention	below the mo	in terms	wed for	-
* Bonplot Tu	key has introduce	Bomplot	It visual	ises_
dettilushion	of dala quick	cly.		
* Frequency	lable: It is the	count	f numeric	data
10-1 11 20 0	not of setter	valu.		
* Histogram:	a plot of the	e freques	rey table	with
the given	interals on	x-axii	Final - the	
corresponde	g count on y	-anis.		-
* Density pl	at: It is the	smoothed	version of	the
histogram.				
Boxplet:-			0.11	-11/2-1
To draw a	boxplot, we	proceed o	u follows	-
*1) 2000 a	Meclanacilas bos	, whose	Porlaw is	me
1-000 0110	utile Mil 95m	beicentile) and wi	036
lop is +	he upper quar	He (757	to percentile)
*Dian a	he upper quare	segment	inside the	pox
to represen	l a median.			
*Entend 1	rorigontal line	segmente.	from each	end of
the box out	to the mot	1 extrem	ne observa	tions.
- TO 10 12 10 10 10 10 10 10 10 10 10 10 10 10 10		BALL STATE		



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Department of Computer Science and Engineering
Date Science

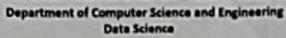


Semester: _ Subject : Chatistics for ATDS Academic Year: 2023-2024
Example 1:
Fred Q, Os and Os for the following data set,
and draw a borr - and - whicker plot
f2,6,7,8,8,11,12,13,14,15,22,23}.
2,6,7,8,8,11,12,13,14,15,22,23
705 1105 14.5
0, 02, 03,
127 1.5 11.5 4.5
6 5, 10 15 20 25
box plot
E. L.
Example:
Find Q, O2 and O3 for the following date set. Identify any outliers and draw a box and
Identify any outliers and draw a box and
Ish sky plot
25,40,42,46,48,49,50,50,52,53,55,56,
58, 75, 102 %
There are total is values of arranged in increasing
order.
Oa is the ethdala point.
00 = 50



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Semester: Subject Statistics for AIDS Academic Year: 2023-2021
O, is 4th dala point . O = 46
03 à 12th dala point 03 = 56.
Intiquatile range TOR: 03-0,
- 56-4P
-10
0, - (1.5 x TOR) 03+ (1.5 x TOR)
=46-(1.5 x10) = 56+15
= 46-15- = 71
= 81
Since or is less than 31 and 75, 102 are greates
than 11, hence there are 3 outliers.
2114
0 10 20 20 40 00 40 70 80 40 100 110
- 10 VO 20 40 ED AD 10 AD 10 110
T T.U.
Frequency Table:
The frequency distribut
* Make the table self-explanatory provide a title,
a brief description of a source of the data, State in
what units the figures are expressed, label 2000s
and roloumne shere appropriate
* Keep the table as simple as possible.
* Distinguish between zero values and missin
observations.