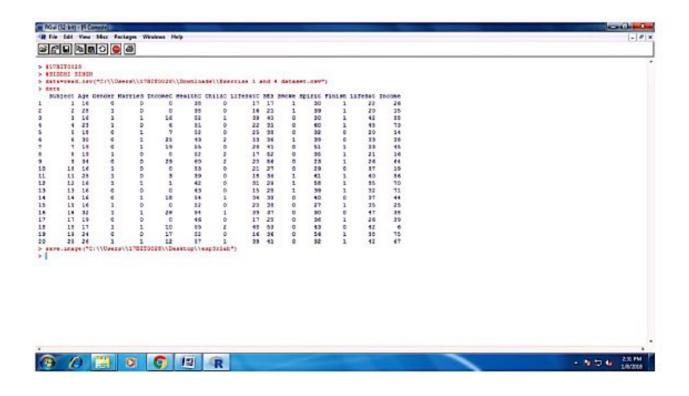
SIDDHI SINGH

17BIT0028

	EXP-3 17BITOD 28 Classmate							
	SIDDHI SINGH	1						
	SIDDHI SIISAII	1						
	Do Mo							
	No all							
	PROBLEM: 1	1						
	KODIETTO	1						
>	$\mathcal{H} = c(18, 19, 19, 19, 19, 19, 20, 20, 20, 20, 20, 21, 21, 21, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20$	1						
	22,23,24,27,30,36)	-						
		1						
>	mean(n)	-						
	[1] 22	1						
>	median(n)	_						
	[1] 20.5	_						
>	4 = n[n(25)							
>	md = median (y)							
>	md							
	[1] 20							
	mr = table (u)							
	mode = which My = = max (nr))							
5	mode	1						
	20	1						
	3							
		100						
	P.A. S	1000						
	PROBLEM 2							
+9-								
· · · · · · · · · · · · · · · · · · ·	X = C(0, 1, 2, 3)							
<u> </u>	$\frac{1}{1} = c(8, 11, 5, 1)$ but the solution of the second section $\frac{1}{1}$							
>	y = 1ep(m, =)	1						
1 m. 1 m. >	mean = (sum(y))/(length(y))							
>	mean	_						
	[1] 0.98	-						
>	medianly)	-						
1	1) 1	1						
11 / / / / / / / / / / / / / / / / / /	When the same I what is not be written	-						

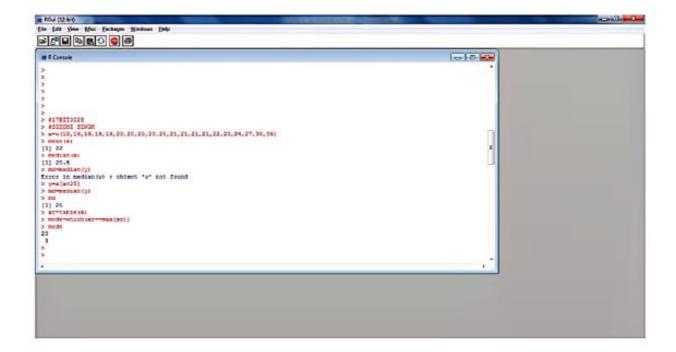


	PROBLEM 3:
F	7 6 6 1 2
>	mld = seq (147.5, 182.5,5)
	med
	(1) 147.5 152.5 157.5 162.5 167.5 172.5 177.5 182.5
>	= C(4,6,28,58,64,30,15,5)
	fr-dut = data. frame (mid, f)
	Fr. dút
	D mild of
	1 147.5 44
	2 152.5 6
	3 157.5 28
	4 162.5 58
	S 167-5 64
	6 172.5 30
	7 177.5 5
	8 182.S 5
	Mean ?-
>	mean = (sum(mid * f))/eum/f)
>	mean
	[1] 165.175
	Median :-
	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
	> midn = seg (147.5, 182.5, 5)
	Frequency = c(4,6,28,58,64,30,5,5)
	Fr. dit
	midx frequency
	1 147.5 4
	2 (52.5 6



Problem1: Twenty students, graduates and undergraduates, were enrolled in a statistics course. Their ages were 18,19,19,19,20,20,20,20,20,21,21,21,21,22,23,24,27,30,36.

- a) Find Mean and Median of all students
- b) Find median age of all students under 25 years.
- c) Find modal age of all students



Problem 2: A survey of 25 faculty members is taken in a college to study their

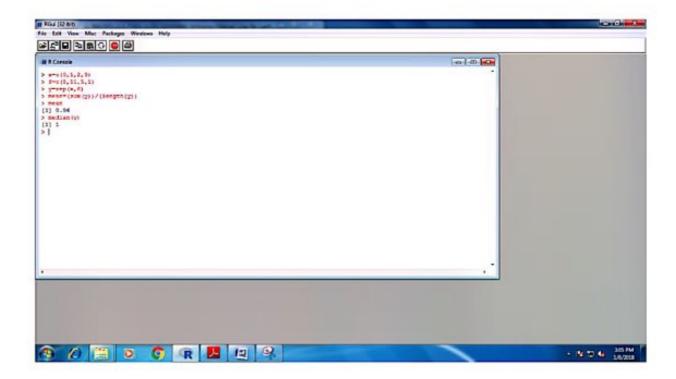
Vocational mobility. They were asked the question "In addition to your present

Position, at how many educational institutes have served on the

Faculty? Following is the frequency distribution of their responses.

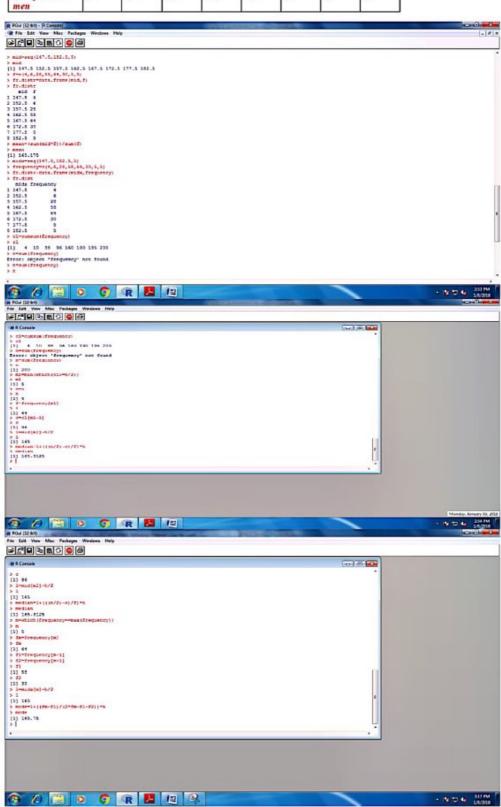
X 0 1 2 3 f 8 11 5 1

Find mean and median of the distribution



Problem 3: Compute mean, median and mode of for the following frequency Distribution:

Height in Cm	145-	150-	155-	160-	165-	170-	175-	180-
	150	155	160	165	170	175	180	185
No. of Adult men	4	6	28	58	64	30	5	5

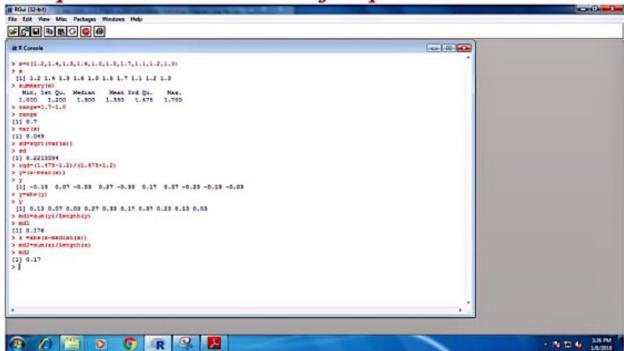


An entomologist studying morphological variation in species of mosquito

recorded the following data on body length:

1.2,1.4,1.3,1.6,1.0,1.5,1.7,1.1,1.2,1.3

Compute all the measures of dispersion.



Measure of skewness and kurtosis using Moments:

Problem: A quality control engineer is intrested in determining whether a

machine is properly adjusted to dispense 16 ounces of sugar. Following data

refer to the net weight(in ounces) packed in thirty onepound bags after the

machine was adjusted. Compute the measures skewness and kurtosis

15.9,16.2,16.0,15.6,16.2,15.9,16.0,15.6,15.6,16.0,16.2, 15.6,15.9,16.2,15.6,16.2,

15.8,16.0,15.8,15.9,16.2,15.8,15.8,16.2,16.0,15.9,16.2, 16.2,16.0,15.6

