Computational Statistics And Probability

Midtorm Assignment

Nafinar Leo 20-42195-1

Primary data:

	1	Jerre	,	-	7			n reger 1	
Divisi		enden	Age	Hei	ght	Weight	Education	Occupation	Covid-19
Dhaka		Ч	46	17	14	82	16	Teacher	Pos
Dhake			17	16:	2	43	11	Student	Neg
Dhaka	F		43	169	8	53	12	Housewise	The state of the s
Dhaka	M		15	16:	2	54	10.	Student	Neg
Dhaka	M		12	150	)	46	7	Student	Neg
Dhaka	M		49	168	3	74	,	Shopkeoper	Pos
Dhaka	۲		15	158	3	90	10	Student	Neg
Dhaka	F		91	163		51	12	Housewitc	yeg .
Dhaka	F		10	146	4	71	5	Student	Pos
Dhaka	M		38	165	- 6	59	15	Teacher	neg
Dhaka	M	3	35	160	ź	18	12	Shopkecker	Neg
Dhaka	F		7	135	2	7	2	Student	Pos
Mymensingh	F	1 / 8	7	132	. 2	25	2	Student	Neg
lymensigh	M	1	0	193	-	36	5	student	Neg
lymensingh	MO	40	)	161	(	37	16	Bankmengap	Pos
ymen sign	F	36	3	1.53	4	4	12	Shopkecper	Ney
hulna	F	5		115	2	0	-	Student	Neg
hulnq	F	30		1 48	6	3	-	Buisnessman	Neg
hulna	M	. 7	. (	39	984	29	€1	Student	Pos
hulna	M	33	The artists of the same	69	68	PROFESSION CONTRACTOR OF	and the state of the state of the state of	Tracher	and the second second second second

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Divisio	on Gender	n Age	Height	Weight !	ducation accupation Covid-19 information
Pargra	-	36	152	49	8 Housen's Neg
Rangpu	in M	40	157	58	12 Buisness Pos
Range	up M	9	132	36	4 Student Neg
Rango	ur F	8	120	28	3 student Neg
Sylhet	m	50	165	54	16 Teacher Neg
Sylher	M	22	160	48	14 Student Neg
Sylhe	t F	47	159	51	12 Housewise Pos
Sylhet	F	20	152	47	13 Student Pos =
Chittagory	f M	56	170	70	8 Bank Neg
Chi'ztago	y F	64	167	65	5 Teacher Pos
Chi'llagon	g m	24	162	60	16 Civil Pos
Chi ttagon	g F	22	160	56	14 Student Neg
Pazshahj	F	60	169	64	15 Housewise Negt
Rażshahi		69	166	68	16 Buisness Neg
Razshahi		30	169	72	15 Teacher Pos
2azishahi	F	28	160	63	15 Housewite Neg
am'sal	M	98	172	76	12 labour Pos
Banisal	F	45	1,71	72	10 Housewise Neg
anisal	F	18	163	55	
inisal	Mi	15	168	62	16 Student Pos

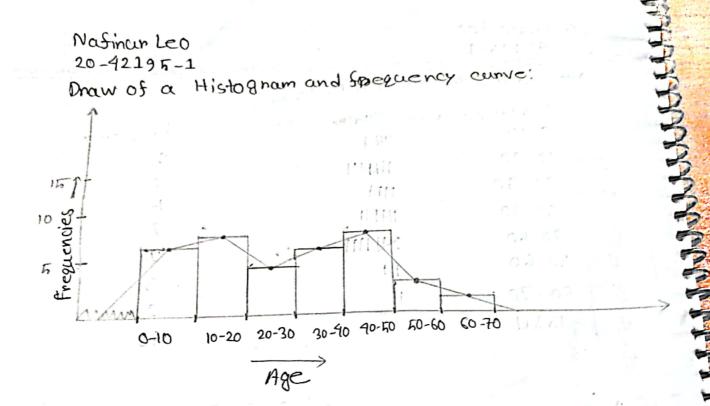
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## Answer to the question no 1:

Class Interval	sage Tally	Frequency
0-10	HH I	G
10-20	HHIII	8
20-30	147	5
30-40	HIII	7
90-50	HUIII	9
50-60	III ·	3
60 - 70	11 :	. 2
Total	The second second	40

## Answer to the question no 2:

Age disserence	Frequency	Midpoint
0-10	6	: 180 RO SADIO
10-20	8	15
Control of the Contro	NOUSA NAME	25
30-40	7	35
40-50	9 10 10	45
50-60	avais all and	55.390
60-70	2	65 00 911
and the second s	2 1	of the same of the

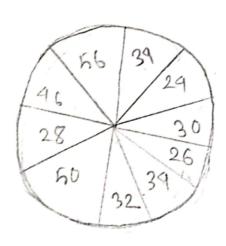


Now, I write the comment which is one the Shape of age:

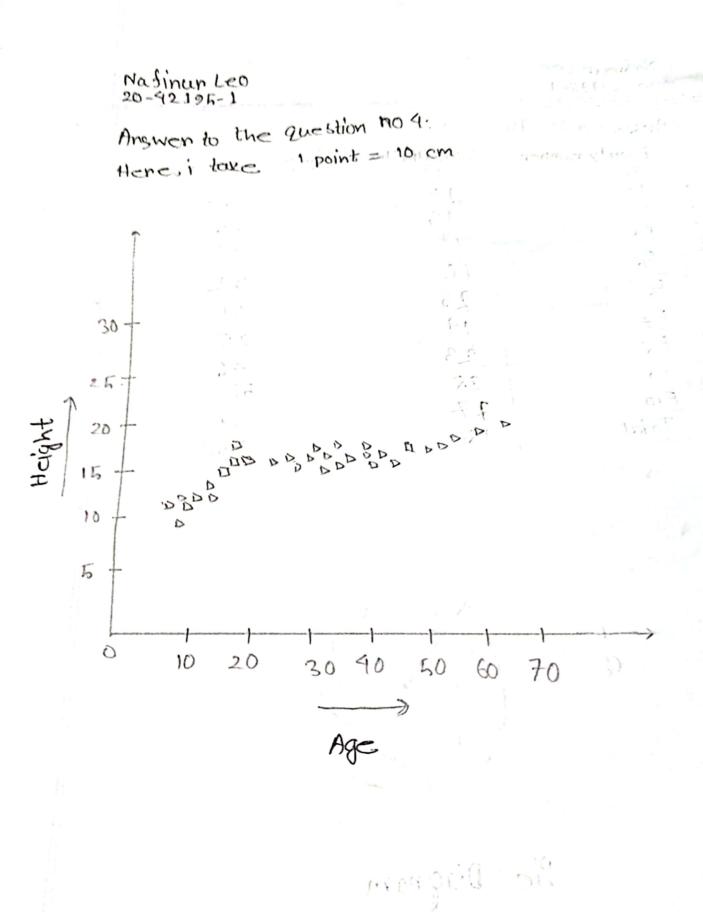
This is a smoot graph which is plotted against the mid value. After connecting the midpoint of the tops, it obtain. The curves shows us that the age of 40-50 years is the most people around me. Then 10-20 years is the second highest. Af first curve is increase then little bit decrease then increase and at last it decrease.

Answer to the question nos:

family number	Education level of family	Angles
F <sub>2</sub>	12	29
F <sub>3</sub>	15	30
F4	13	26
the way represent the second second	17-	34
Fr	10	
6	25	32
F <sub>2</sub>	10	50
-8	/ -	28
the contract of the second of	23	46
Fg	28	56
-10	17	
Total	The state of the s	39
.014	180	360



Pie Diagram



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## Answer to the question noti:

-					-
Class	5	×	fx	f log X	5/x
0-10	6	5	30	61085	1.2
10-20	8	15	120	816915	0.63
20-30	5	25	125	5 log 25	0.2
30-90	7	35	245	7 108 35	0.2
40-50	9	45	405	910945	0.2_
50-60	3 '	55	165	3 69 55	0.54
60-70	2	65	130	210865	0.03
Total	40		1220	56.13	2.9

Calculation of appropriate measures of central tendency:

$$AM: \overline{\chi} = \frac{1220}{40} = 30.5$$

$$HM: \overline{X}_{H} = \frac{40}{2.9} = 13.79$$