C- Calculat Varance Age F XI fi. XI XI-X (xī-x)2 Fi (xī-x)2 20-21 12 20,5 246 - 5,259 27,657 331,889 22-23 17 22,5 382,5 -3,259 10,621 180,562 24-25 13 24,5 318,5 -1,259 1,505 20,607 26-27 12 26,5 310 0,79 0,549 6,500 28-29 7 28,5 199,5 2,74 7,5/2 52,59 30-31 18 30,5 549 9,74 404,50 22,476 33-35 4 34 136 8,24 6,67,913 271,653 today 03 2149,5 1260,473

$$S^{2} = fi(x_{1}-x)^{2}$$

$$= 1260,473$$

$$= 15202$$

So the number of Variatis 15 15,283.

Name Ade Himmat Payir K

Npm: 225520 11130 Class: TIF & 22KB

UTS: Statistila

0.

tudents	1 x		19	X	1 y2	XY
A	12		6	14	36	12
B	3		7	9	49	21
C	11	-	4	1	11	4
E	3	4	0	9	64	24
F	3	1	7	IL	64	32
6	14	+	9	9	49	21
H	1	\dagger	5	16	81	36
1	1	1	4		52	5
1	2		6	4	16 31	12
Entra	24 2×	-	64	70	436	171
2	2×	2	y		Eyt	Exy

The very strong Positive Correlation (0,96) between Study time and test Scores Indicates & host More study time tends to increase test scores.

= 30

b. Disti Lution of Prequency Range = 35-20 = 15 Classes 2 1 + 3,3 log Bg Class knyth = kange /classes = 15/7 = 7,14 Age Frequency 20-21 12 22 - 27 17 24-25 13 26-27 12 200-29 7 30-31 18

33-35 fran / 86