Computationed Statistics and Probability To

Khan, Mohiur Ruhman 18-36303-1

Assignment 3

3.1

Let 
$$b = miltiple = 55 = 5, 10, 153, 203$$

$$P(b) = \frac{4}{20}$$
  
 $P(anb) = 5.153 = \frac{1}{30}$ 

$$P(Abbabb) = \frac{6}{70} + \frac{4}{70} - \frac{1}{20} = \frac{9}{70}$$

3.2

$$(B) = \frac{|0|(1)|5|c_2}{25|c_3|} = 0.457$$

3.3

3.4

b) Let 
$$G = 2EE$$
,  $2CE = \frac{5C_2 \times 6C_2}{11C_4} = \frac{5}{11}$ 

Senal: 4
Moshiur
Reihman
Khan

Class	} <del>\$</del>	1 5	/ x	8(2)	[ Flog(a)	8/2
1-2	1	1	1.5	1.5	0.17	0.667
2-3	3	12	3.5	7.5	4.38	1.20
4-5	6	18	4.5	27	3.91	1.33
5-6	2	20	5.5	11	1.48	0.36
Tozal	20			75	11.12	5.837

Arithmetic mean = 
$$\frac{1}{h} \le \frac{1}{1 = 1}$$
 fizi =  $\frac{75}{20} = 3.75$ 

Harmonic mean = 
$$\frac{20}{5.237} = 3.426$$

Median = 
$$\frac{n}{2} = 10$$

" mediun = 
$$3 + \frac{20 - 4}{2} \times 1$$

$$\begin{array}{c|c} f_{m} = 8 & mode = 3 + \frac{8-3}{(2\times8)-3-6} \times 1 \\ f_{2} = 6 & = 3.71 \\ L = 3 & \end{array}$$

			1	
Chass	Te	pe-21	Has	FG1-202
1-2	75/20	2.25	2.25	5.06
2-3	3.75	0.25	2 4.5	0.5
4-5		.75	3.5	6.12
			16	19.75

$$M0 = \frac{16}{20} = 0.8$$

$$2^{2} = \frac{19.75}{20} = 0.98$$

$$0_{2} = \sqrt{6.98} = 0.99$$

$$(V = \frac{1}{20} \times 100\%) = \frac{0.99}{3.75} \times 100\%$$

$$= 26.4\%$$