

5th stats assignment - answers

Probability and statitics (National University of Computer and Emerging Sciences)





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ROLL NO .: 120-0203

DEGREE: BS-(AF)

SUBJECT: BUSINESS STATISTICS

SUBMITTED TO: Six Khalil-Ur-Rehman

ASSIGNMENT NO:

DATE: 06 / 05 / 2021

6th May, 2021 Thursday Aimel Hasan 120-0203 BS-(AF)

ASSIGNMENT#5

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Years			Commodities Link Relatives									30
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2018 96 93 97 109 104.347 109.411 162.165 106.862												
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	i		7.433		9.43	1	79.332	4		19.645	99.1	645.
2016 //					108.344		108.859		-	108.180	107	.795
2017 10							01.627	109.890		102-719	110.	725
1				1	116.409		05.645	116.00	73	105-604	116.	930
Q#2												
		1.00			13.			1/2/2	(5)			
$F = \sqrt{L \times P}$												
$75.58 = \sqrt{94.72L}$										0373		
$(75.58)^2 = (\sqrt{94.72L})^2$												
5712.3364 = 94.72L												
$\mathcal{L} = 60.31$												
12-00 (1)												

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$$P_{on} = 472 \times 100 = 119.49(P)$$
 395

Pon = 4120.99 X 119.49

Juines FOEOR

120-5203

Pon= 120-24(F)

0#3

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Expenses	1. of explui	I	IW	
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Fuel	8	343	2744	and other same
Rent	15	248	3720	
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	4/1=1m	1 12	411.1-276	J

EIW= 32,414 ZW=100

CPI = 32,414 $\rightarrow 324.14$ 100

0#4

"FOR 2015"

Laspyer's Price Index no.

Pon = £Pn90 x 100

£P090

= 105.924 38,745 X 100 36,578

Paaschers Price Index no.

44,310 × 100 41,654

= 106.376

Fishess Price Index no. Pon = VLXP

V105.924 X106.376

= 106.149

" FOR 2016"

Laspeyer Price Index no.

41,735 × 100

36,578

= 114.098

Paasche's Price Index no. 54,195 x100 49,264

= 110.009

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Fisher's Price Index no.

V114.098X110.009

= 112.034

Q#5

CPI = 136

EW = \$350

CPI = (180 X140)+(150 Xx)+(100 Xy)+(110 X56)+(63 X80) 350

136= 25,200+150x+1004+6160+5040 350

47,600 = 36,400 + 150x + 1004

11,200 = 3x+2y 50

 $3x+2y=224 \rightarrow 0$

350 = 140+x+y+56+63

 $x+y=91\rightarrow 2$

multiply eq @ by 2

3x + 2y = 224 2x + 2y = 182

putting n=42 in eq 2

42+4=91