١٢ ذو الحجة ١٤٤٤ هـ



۲۳ بــؤونــه ۱۷۳۹ ق Week 26 Discrete random variables is one for 8:00 a random experiment with a finite number of Random variable that represents coin flipping possible ontcomes = 2:00 3:00 probability Distribution is a statistical that describes all the possible values likelihoods that a random variable Expected value, in general, is the value that likely the result of the next repeated a statistical experiment

ا خوالحجة عععا هـ

الخميس

الخوالحجة عامات
Week CO.
[4] Variance is a statistical measurement of the
spread between numbers in a data set, it measures
how far each number in the set is from the mean
and thus from every other number in the set.
$\frac{2}{5} = \frac{2}{2}(x_1 - \overline{x})^2$
N
where X; > each value in the data set.
x ⇒ mean of all values.
N = number of values in the true set.
Bernouli deals with the outcome of the single
or all of the second of the se
outcome of the multiple trial of the single event.
A random variable that follows a Bevouli distribution Can only take on two possible values, but a random variable
that follows a Binomial distribution can take on several

mitte 4 310 PI ELOLE PUVIO Hope 4 Part 2 ECO) = \(\frac{1}{2}\) \(\times_i \, \rac{p(\times_i)}{2}\) ECX) = (2* 1) + (3 × 2) + (4 × 3) + (01 + 5) + (0 + 5) + (8 + 36) + (8 + 36) + (8 + 4) 12 W + (10 + 3) + (11 + 2) + (12 + 1) 1 100 = # 7 300 $= \underbrace{\overset{\sim}{\xi}}_{i=1} \times_{i} p(x_{i})$ ary 0.2 + 4 × 0.4 + 9 × 0.3 0.24 24019 + 34013 E(X)2 = 351

الممسوحة ضوئيا بـ CamScanner

= 0.89 = Varion

D) Discrete, because the number of arrivals can only be of specific integer values, cannot be fraction.

2) Pristrete in the label is correct and the weight that

Continous, since one ounce = 28.349.5231 9tams

Since the value is fractional, itis Continous.

- 3) Continuous, Call can take any value " fractional" or integer "
- 4) Discrete, the number of Kerners can be Gunted as integer values.
- 5) Discrete, we can Gount the number of applicants.
- 6) Continuous, the Ame Can be fractional

回	Continu	ous, t	he weigh	d Can	fake	any	value	including
8:00		Fraction	ial.					
10:00	Discre	ete, div	er value	er of	gasser.	iger's	Can or	nly be
(g	Disor	ete, c	terical	enta	3 Can	be	Coural	ed and
2:00	fake	ษัก	integer	Value	<u>y</u> .			
3:00 4:00 5:00	of Disc	reteg	the num	ber o	of ac	ceide	nt G	un only
7:00	take		yer val			2/3/	4,	
<u>C</u>		- 1	01 + 0	1	+	2	400.00	
		-460						
				ji ji				The state of the s