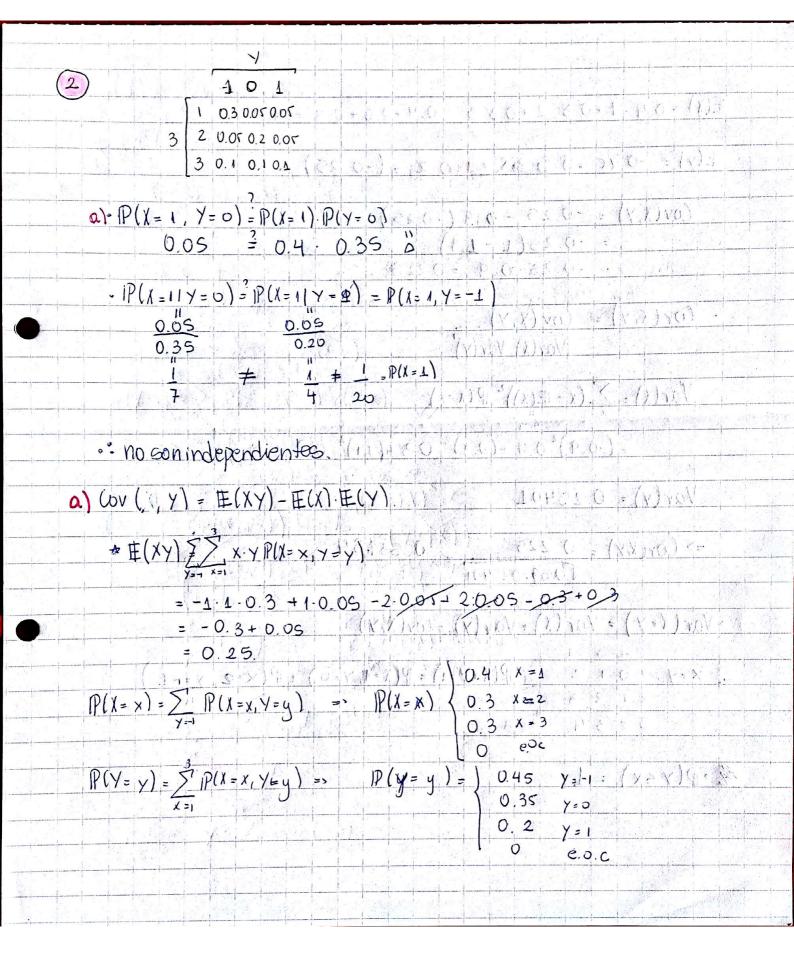
	Martes	3/M040/2016
Intro a Estadística.	120119 1 1 "	(1):0
Ayodonha.	X	1-1-1-1
	0 = ((x))	事) 副(3
1) X=# de huevos que pone un insecto. x	en"	
1) X=# de huevos que pone un insecho. x a. X~ Poisson(x)	11 11 14 6	* (1/) 1 1 1 1 1
Y= # de hueuns que sobreviven.		
	(9X) (X) TE	-
Y /X=x:"# de huevos que sobre viven de	un total x u	<u>) n</u>
prob p de soubondon sobrevivir.	Y€ 30, x &	
	100 1 100 1	
$Y \mid X = x \approx Binomial(x, p)$ (41)	(440) TO	
$P(\mathbf{y}=\mathbf{x}) = \sum_{n=1}^{\infty} P(\mathbf{y}=\mathbf{y} \mid \mathbf{x}=\mathbf{x}) \cdot P(\mathbf{x}=\mathbf{x})$	P TAKE	
[Harrison Franciscon Franciscon Land Control of the		
$= \sum_{x=0}^{x=0} {x \choose x} \cdot p^{x} (n-p)^{x-y} \cdot 2^{x} \cdot (e^{x})$	Pry Trys	71.0
	()) ()	
- 5 xx (/P/3 ((1-p))) · e		
$= \sum_{x=q}^{\infty} \frac{x}{(x-y)! \cdot y!} \cdot \frac{(P)^{3} \cdot ((1-p)\lambda)^{3} \cdot e^{\lambda}}{(1-p)(1-p)(1-p)}$	TELETAYPY)	(xx)
그들은 그는 그를 보고 있다면 하면 없는데 이번에 가면 하는 것이 그 없는 그들이 되었다. 그리는 그들은 그리는	A The Control of the	
$= \frac{P}{1-P}, \frac{1}{y!}, \frac{2}{x-y}, \frac{(y-p)(x)}{(y-p)(x)}, \frac{1}{y+y}$ $= \frac{1}{x-y}, \frac{(y-p)(x)}{y!}, \frac{1}{y+y}$ $= \frac{1}{x-y}, \frac{(y-p)(x)}{(y-p)(x)}, \frac{1}{y+y}$	= X-Y	
(1-P/ Y! = (X-y); (++++++++++++++++++++++++++++++++++++	Te	
1. (P) Je1 3 ((1-P))	(
y! \I-p/ \(\frac{1}{2}\)	·	
$= \frac{1}{1 - p^4}, e^{-1}, (1-p), \lambda^7, \lambda^7$		
y! (1-P) (1-P) (1-0) (1-0)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Y) vo *.
$= 1 \cdot e^{-x} \cdot (\lambda p)^{p} \cdot \mathcal{C} \qquad e^{\lambda(\lambda - p)}$		
$-\frac{\lambda}{\lambda}$	+1	
<u> ξ Ε '. (λρ)</u>		
Luego y~ Poisson(2p).	 	· 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1

$$\begin{array}{lll}
\bullet & \mathbb{E}(X) = \sum_{y \in Y} \mathbb{E}(X) = \mathbb{$$



```
M. KO. U.
               E(x) = 0.4 - 1 + 0.3 \cdot 2 + 0.3 \cdot 3 = 0.4 + 0.6 + 0.9 = 1.9.80
                  E(y) = -0.4r +0.0.35+1.0.2 = (-0.25)
                                (ov(X,Y) = -0.25 - 0.19 (-0.25)
                                                                                = -0.25(1-19)
                                                                              = -0.25 -0.9 = 0.225.
                                                                                                                                                      1-1-1-1-15 = (2 - V11) 1 - (1 - V11) 1 . ) (1 - V11)
                 · (or(X,Y) = (ov(X,Y)
                              Var(X) = \sum_{x} (x - E(x))^2 P(X - x)
                                                                  = (-0.9)^{2} \cdot 0.4 + (0.1)^{2} \cdot 0.3 + (1.1)^{2} \cdot 0.3 = 0.69
                          Var(y) = 0.25401 (x)3 (x)3 (x)3 (x)3 (x) 2 vo
                    => Cor(X,Y) = 0.225 = 0.53734 \times (X) \times (XX) \times (XX)
        · Var (X+ y) = Var (x) + Var (y) - 60v(X, y)
  c) \times + \vee : 1012   P(X+Y=1) = P(X=1, Y=0) + P(X=2, Y=-1)
                                                                                                                                                                       6. P(Y < x) = 1
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3 X = ingresos	por familia en 1	J.M. 30101000	18.1 3.46.75	10 11 g	7
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	$= \frac{1}{e^{-\lambda 6}} \left(1 - e^{-\lambda 6} \right)$ $= e^{-\lambda 6}$)) . //			
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	= 0.049	<u> </u>			-
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	in Neg $(r=3, p=0)$,0,49,7	1 € 7 3, · · · · · A		KW \$60
P(Y>5)=1	D(V, S)				
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D/V 5\ /					
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