

	A	B	C	D	E	F	G
1	Fit the poisson distribution and find mean and variance.						
2							
3	Mistakes per page (x)	No. of pages (f)	p(x)	Expected Frequencies f(x)	Round f(x)		
4			=POISSON.DIST(A5,\$C\$16,FA LSE)	=C6*\$B\$11	=ROUND(D5,0)		
5	0	142	0.367879441	147.1517765	147		
6	1	156	0.367879441	147.1517765	147		
7	2	69	0.183939721	73.57588823	74		
8	3	27	0.06131324	24.52529608	25		
9	4	5	0.01532831	6.13132402	6		
10	5	1	0.003065662	1.226264804	1		
11		400	0.999405815	399.7623261	400		
12							
13							
14	Cases	Symbol	Value	Formula			
15	No. Of Cases	n	5	=MAX(A5:A10)			
16	Mean	$\lambda$	1	=SUMPRODUCT(A5:A10,B5:B10)/SUM(B5:B10)			
17	Variance	$\lambda$	1	=C16 since mean and variance is same in poisson dist			
18							
19							
20	Also the expected frequencies are:						
21	147						
22	147						
23	74						
24	25						
25	6						
26	1						