

4. Let X represent the number of occupants in a car.

X	1	2	3	4	5
$P(X)$	0.70	0.15	0.10	0.03	0.02

find the following...

$$P(X=2)$$

$$P(X > 3)$$

$$P(\text{only 1 occupant})$$

$$P(\text{fewer than 4 occupants})$$

find the mean of X (expected value)