Discrete random variables

Example: X = number of rooms in a randomly-chosen house occupied by owner (San Jose, CA, 1998).

Probability distribution of X:

Value of X	1	2	3	4	5	6	7	8	9	10
Probability	.003	.002	.023	.104	.210	.224	.197	.149	.053	.035

a. Express the event "unit has 6 or more rooms" in terms of X and give its probability.

b. Express the event "$X > 6$" In words and give its probability.

c. What important fact about discrete random variables is illustrated by these two probabilities?

Mei Statistics 1 Discrete Random Variables

Mac E. Van Valkenburg

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