

Assignment -2 in L^AT_EX

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Question 10.13.1.26: There are four men and six women on the city council. If one council member is selected for a committee at random, how likely is it that it is a woman?

Solution:

Parameter	Value	Description
X	0	Male student
	1	Female student

TABLE 0: Council distribution

With reference to Table 0

$$p_X(1) = \frac{6}{6+4} = \frac{6}{10} \quad (1)$$

The desired probability is:

$$p_X(1) = \frac{6}{10} \quad (2)$$