

Reading Assignment 2

Q1(a).

$$P(X=1) = 1/4$$

$$P(X=2) = 1/4$$

$$P(X=3) = 1/8$$

$$P(X=4) = 1/8$$

$$P(X=5) = 1/8$$

$$P(X=6) = 1/8$$

Q1(b).

$$P(X=1) = 1/4$$

$$P(X=2) = 1/4$$

$$P(X=3) = 1/18$$

$$P(X=4) = 1/18$$

$$P(X=5) = 1/18$$

$$P(X=6) = 1/3$$

Q2

According to Adam Berger et al. (1996), feature function can be called feature for short. Therefore if $|V|$ is the number of features, we would have $|V|$ feature functions.

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