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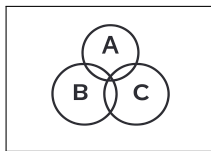
Discrete Distribution
Complementary Event

F



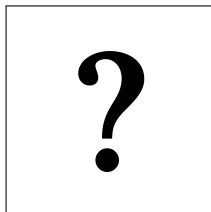
$$S = \{1, 2, 3, 4, 5, 6, 7, 8\}$$

$$A = \{1, 2\}$$



$$P(A) = |A|/|S| = 2/8 = 0.25$$

$$P(A^C) = 1 - P(A) = 0.75$$



$$R = 2$$

$$B = 4$$

$$W = 5$$

$$P(R^C) = ?$$

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Discrete Distribution
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F



$$R = 2$$

$$B = 4$$

$$W = 5$$

$$P(R^C) = 1 - \frac{R}{(R+B+W)} = 1 - \frac{2}{(2+4+5)} = 9/11 \approx 0.82$$