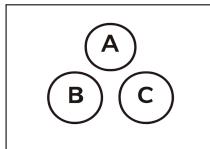


6

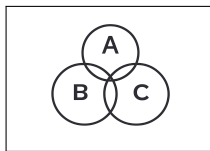
Discrete Distribution
Classic Probability

C



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

$$E = \{1, 2, 3\}$$



$$P(E) = |E|/|S| = 3/6 = 0.5$$



$$S = \{(i, j) \mid i \in \{1, 2, 3, 4, 5, 6\}, j \in \{1, 2, 3, 4, 5, 6\}\}$$

$$E = \{\{5, 6\}, \{6, 5\}, \{6, 6\}\}$$

$$P(E) = ?$$

6

Discrete Distribution
Classic Probability

C



$$S = \{(i, j) \mid i \in \{1, 2, 3, 4, 5, 6\}, j \in \{1, 2, 3, 4, 5, 6\}\}$$

$$E = \{\{5, 6\}, \{6, 5\}, \{6, 6\}\}$$

$$P(E) = |E|/|S| = \frac{3}{36} = \frac{1}{12} \approx 0.08$$