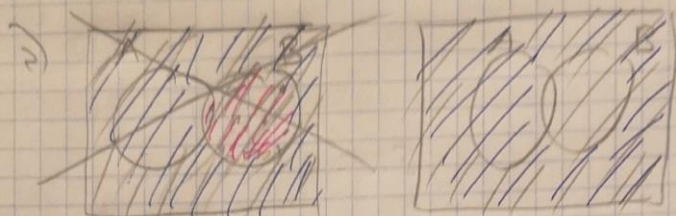


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3 n 6 n

$$P(A) = 0.7, P(B) = 0.4$$

$$1) P(\bar{A}) = 1 - P(A) = 0.3$$

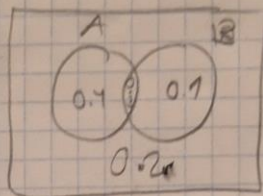


$$P(\bar{B}) = 1 - P(B) = 0.6$$

$$P(A \cap B) = 0.6 - 0.3 = 0.3$$

$$P(A \cup B) = 0.7 + 0.4 - 0.3 = 0.8$$

$$2) P(\bar{A} \cup \bar{B}) = P(A \cap B) = 0.2$$



$$3) = 0.3$$

$$4) P(\bar{A} \cap \bar{B}) = ?$$

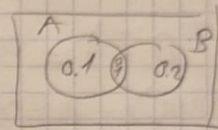
$$P(\bar{A} \cap \bar{B}) + P(A \cup B) = 1$$

$$P(\bar{A} \cap \bar{B}) = 1 - P(A \cup B) = 1 - 0.8 = 0.2$$

$$1) P(\bar{B}) = 1 - P(B) = 0.6$$

$$5) P(\bar{B}) = P(A \cap \bar{B}) + P(\bar{A} \cap \bar{B}) \Rightarrow 0.4 - 0.3 = 0.1$$

$$12) P(A) = 0.2, P(B) = 0.3$$



$$12) P(A \cup B) = P(A) + P(B) - P(A \cap B)$$

$$0.4 = 0.2 + 0.3 - 0.1$$

$$0.4 = 0.4$$

הכלל
ההפוך

2)

$$0.6 = 0.2 + 0.3 - P(A \cap B)$$

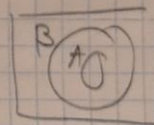
$$0.6 = 0.5 - P(A \cap B)$$

כלל ההכללה וההפוך
0.6 / 0.5

$$2) P(A \cup B) = P(A) + P(B) = 0.2 + 0.3 = 0.5$$

$$3) P(A \cup B) = 0.3$$

0.3 הוא A



$$1) P(A) = 0.1$$

$$P(A \cap B) = 0.06$$

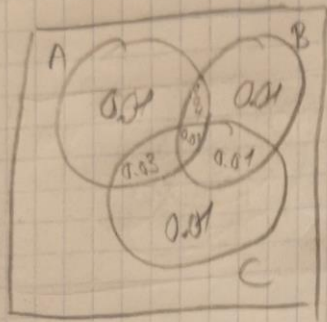
$$P(B) = 0.08$$

$$P(A \cap C) = 0.05$$

$$P(C) = 0.07$$

$$P(B \cap C) = 0.03$$

$$P(A \cap B \cap C) = 0.02$$



$$1) P(\bar{A} \cap \bar{B} \cap \bar{C}) = P(A \cup B \cup C) = P(A) + P(B) + P(C) - P(A \cap B) - P(A \cap C) - P(B \cap C) + P(A \cap B \cap C) = 0.13$$

$$P(\bar{A} \cap \bar{B} \cap \bar{C}) = 1 - 0.13 = 0.87$$

$$2) 0.01 \text{ Circle } \bar{A}$$

$$3) 0.01 + 0.01 + 0.01 = 0.03 \text{ Circle } \bar{A}$$

$$3) 0.03 + 0.01 + 0.04 = 0.08 \text{ Circle } \bar{A}$$