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AI1110: Assignment-1

Name: Kartikeya Mandapati Roll No: CS22BTECH11032

12.13.1.2 Question: Compute P(A|B), if P(B) =0.5 and P (A \cap B) = 0.32.

Answer: (0.64)

Solution:

We have for two events A and B the conditional probability Pr(A|B) is,

$$Pr(A|B) = \frac{Pr(AB)}{Pr(B)}$$

$$Pr(A|B) = \frac{0.32}{0.5}$$
(2)

$$\Pr(A|B) = \frac{0.32}{0.5} \tag{2}$$

$$Pr(A|B) = 0.64$$
 (3)