Ali & Jehad

Suppose we have a fuse box containing 16 fuses of which 7 are defective (D) . If 2 fuses are selected at random and

removed from the box in succession without replacing the firs.The probability that both fuses are defective is

0.3

0.18

0.23

0.06

Each outcome (element or member) of the sample space S is called a sample point

True

False

Given that: P(A) = 0.85

Then

P(A) =

0.15

0.6

0.4

0.2

An antivirus software reports that 4 folders out of 9 are infected. The possibilities are there is 120

True

False

An antivirus software reports that 2 folders out of 9 are infected. The possibilities are there is 16

True

False

Suppose we have a fuse box containing 12 fuses of which 5 are defective (D) . If 2 fuses are selected at random and removed from the box in succession without replacing the firs.The probability that both fuses are defective is

0.32

0.09

0.15

0.23

(S ⊆ S is an event (S is called the sure event

True

False

A computer maker receives parts from three suppliers, S1, S2, and S3. 50% come from S1, 20% from S2, and 30% from S3. Among all the parts supplied by S1,5% are defective. For S2 and S3, the portion of defective parts is 3% and 6%,respectively.

Let D = defective part, then P (D|S1) is

0.5

0.06

0.03

0.05

Given that: P(A∩ B) = 0.32, P(B) = 0.80 and P(A)=0.50

Then

P(A` ∪ B`) is:

0.48

0.68

0.12

0.4

(Two events A and B are independent if and only if P(A | B) = P(B

(and P(B| A) = P(A

True

False

Given that: P(A∩ B) = 0.32, P(B) = 0.80 and P(A)=0.50

Then

P(A`∩ B) is

0.48

0.08

0.98

0.5

An antivirus software reports that 2 folders out of 5 are infected. The possibilities are there is 12

True

False

A computer maker receives parts from three suppliers, S1, S2, and S3. 50% come from S1, 20% from S2, and 30% from S3. Among all the parts supplied by S1,5% are defective. For S2 and S3, the portion of defective parts is 3% and 6%,respectively.

Let D = defective part, then P (S2|D) is

0.049

0.51

0.12

0.37