Data Science.

Praveen. L

1.

2)

Action movies = 42°1. -> P(A)

Comady mouies =54°1:>P(B)

Dramer mouies =36°1. -> PCC)

Horror mouris = 12°10 -> P(D)

a) either action ordrama.

$$P(AUC) = 78/100$$

b) Cither comedy or horror.
 $P(BUD) = P(B) + P(D) - P(BND)$
 $P(BUD) = 66/100$

Bag A

Bay B

Red -3

white - 4

Black -5

Black-7

P(A) = 1/2 (P(B) = 1/2

P (Block/A) = 5/8, P(Block /8) = 7/11

P(B/Block) = P(B) + P(Block /B)

P(A) xp(Bluch 1A) + P(B) xp(Bluch)

= 1/2 ×7/11 [12+518] +[112+711]

= 7/22 = 7/22 5/16 17/22 110412

222 352 = 2464 :0.5045 P(\$/Black) = 0.5045

$$50.0828$$

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X 2359237,045

ns th pencentin = 359237.045