



Feb 19-8:47 AM

Class Quiz 6

Given
$$P(A) = .3$$
 $P(B) = .6$ $P(A cand B) = .2$

1) $P(\overline{A}) = 1 - P(A)$ 2) $P(A \text{ or } B) = P(A) + P(B) - P(A \text{ or } B)$

= .3 + .6 - .2

= .3 + .6 - .2

= .7 \rangle

3) Construct Venn Diagram.

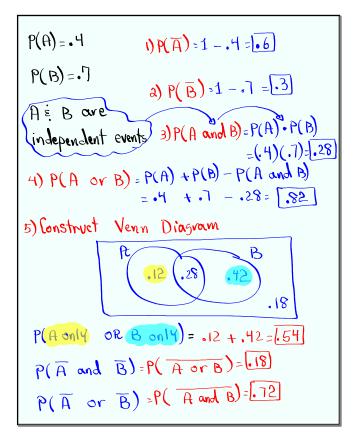
P(A only or Bonly) = .1 + .4 = .5

P(A and B) = P(A or B) = .3

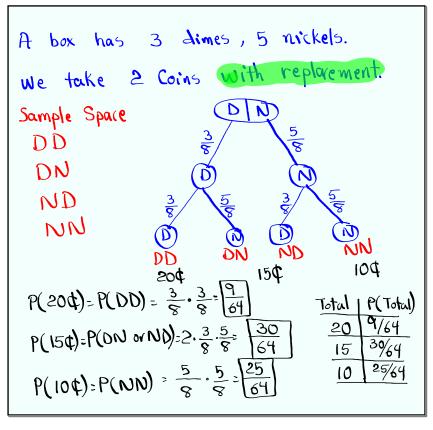
Total = 1

P(A or B) = P(A and B) = .8

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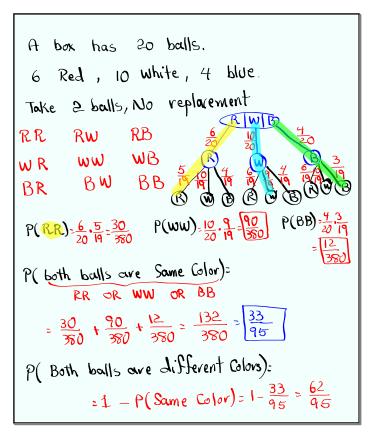


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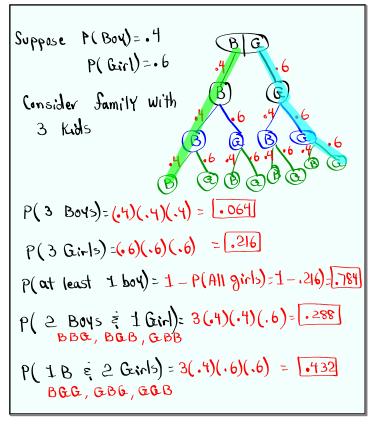


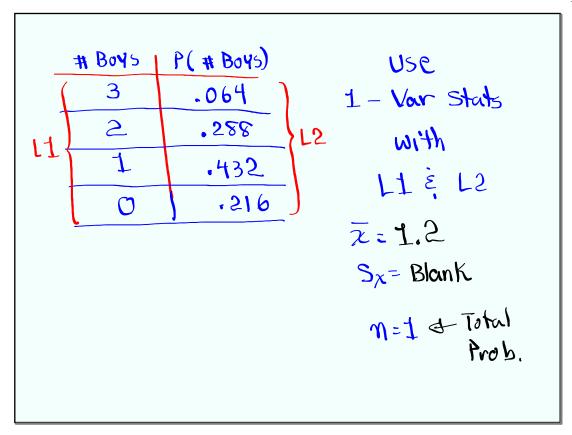
Total $P(Total)$ $ \begin{array}{ccccccccccccccccccccccccccccccccccc$

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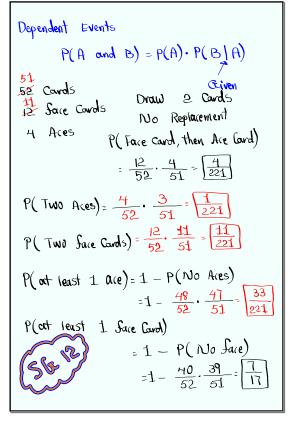


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