Statistics
Spring 2023
Lecture 27



Feb 19-8:47 AM

Class QZ 6

A deck of playing Cards has a5 cards

with 3 Aces.

1) How many ways can you select 2 Cards?

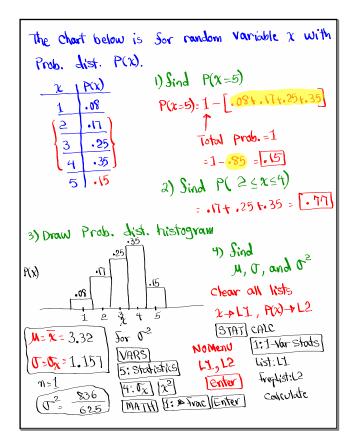
No replacement, order does not mother.

25°2 =  $\frac{300}{3}$ 2) How many ways can you select 2 Aces?

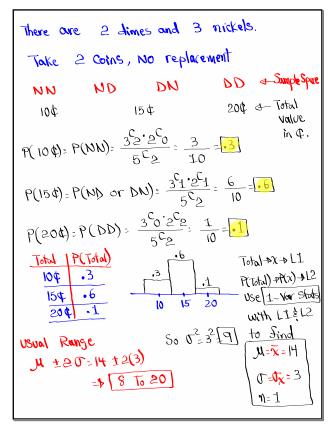
3) P(selecting 2 Aces) in reduced fraction.

P(2 Aces):  $\frac{3^{\circ}2}{25^{\circ}2} = \frac{3}{300} = \frac{1}{100}$ 

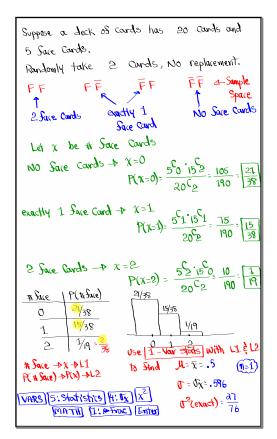
Mar 23-7:55 AM



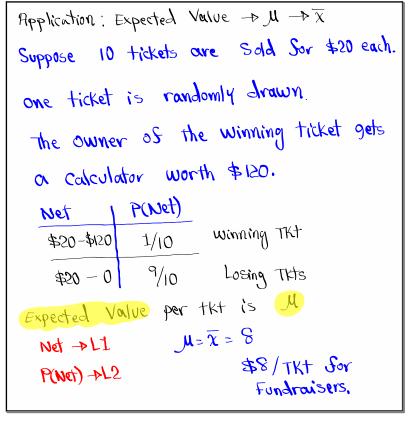
Mar 27-7:19 AM



Mar 27-7:31 AM



Mar 27-7:43 AM



Mar 27-7:57 AM

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You buy insurance Policy for Your luggage before Your Slight.

Policy is Sold for $100 and any damages, the air line Pays You $1000.

Prop. of any damages to the luggage is .5%.

Sind expected Value per Policy Sold by the airline.

P(Damage)=.5%. = .005

P(Damage)=99.5%. = .995

Net P(Net)

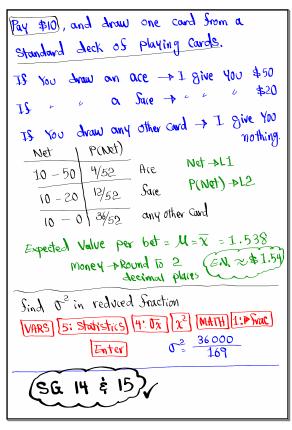
Net P(Net)

Not ->L1

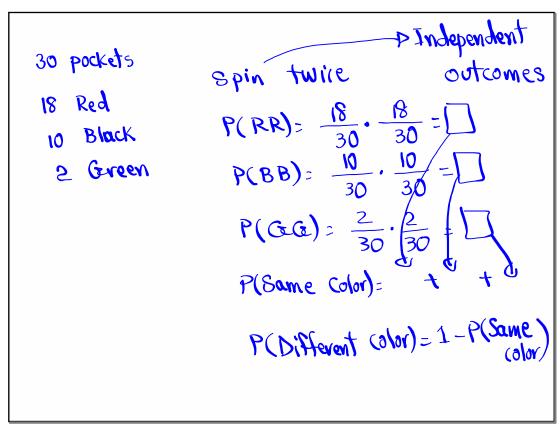
100-1000 .005 Damage P(Net) ->L2

100-0 .995 Damage E.V.=M=X=$95
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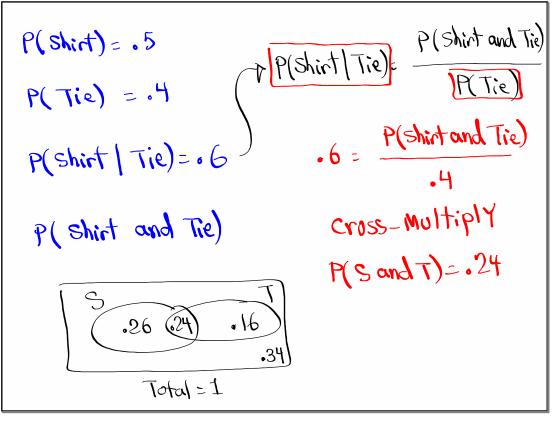
Mar 27-8:06 AM



Mar 27-8:13 AM



Mar 27-8:25 AM



Mar 27-8:28 AM