

Feb 19-8:47 AM

Th

Complete the chart below

$$\frac{2 + P(x) + x P(x) + x^{2}P(x)}{2 + 3 + 6 + 1.2}$$
1) Verify $\geq P(x) = 1$

$$\frac{2}{3} + 6 + 1.2 + 3 + 5.4$$
2) $\mathcal{U} = \sum x P(x)$

$$\frac{2}{3} + 6 + 1.8 + 5.4 + 1.6$$
2) $\mathcal{U} = \sum x P(x)$

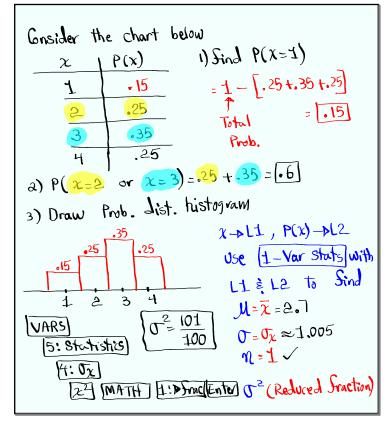
$$\frac{2}{3} + 6 + 1.8 + 5.4 + 1.6$$
2) $\mathcal{U} = \sum x P(x)$

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$$\frac{2}{3} + 6 + 1.8 + 5.4 + 1.6 + 1.8 + 5.4 + 1.6 + 1.8 + 5.4 + 1.6 + 1.8 + 5.8 + 1.4 + 1.6 + 1.8 + 5.8 + 1.4 + 1.6 + 1.6 + 1.8 + 5.8 + 1.4 + 1.6 + 1.6 + 1.8 + 5.8 + 1.4 + 1.6 + 1.6 + 1.8 + 5.4 + 1.4 + 1.6 + 1.6 + 1.6 + 1.8 + 5.4 + 1.4 + 1.6 + 1.2 + 1.6 +$$



Oct 15-9:04 AM

I am Selling 25 TKTS for \$10 each.
One ticket will be drawn.
Winner gets a Calc. Worth \$100.
a5 TKTS (\$10 each) = \$250
I give away a Calc = \$100
Net profit = \$150
Sepected - o Net Profit per TKT =
$$\frac{$150}{25} = $6$$

Value Per +KT Net ->L1
Net P(Net) = Net ->L2
10 -100 $\frac{24}{25}$ I lose Expected Value
 $10 - 0$ $\frac{24}{25}$ I win $M = \overline{X} = 6

I paid \$ 50 to insure my luggage. Airline would have pourd me \$500 for any Lamages. Prob. of any damage is .02. find expected Value per policy sold by air line. Net->LI Net | P(Net) ·02 Damage P(Net)→L2 50 - 500 $\overline{\text{Damage}} \quad E.N. = \mathcal{M} = \overline{\chi}$ 50 -0 .98 \$40 1-Var Stats with L1 EL2

Oct 15-9:20 AM

Pay me \$5 Draw one Card from a full-deck of Playing Carols IS YOU draw A(e, I give You \$20 0 0 face, ~ = = \$10 Any other Carol, I give you nothing Net | P(Net) Expected Value 452) Ace Per bet for the 5 - 20 house 12/52 12 Jare 10 E.N.=M=Z 36/52 any other Card 1-Var Stats \$1.15 \approx with LIEL2

3 Dimes 5 Nickels Take 2 Coins, No replacement $NN \rightarrow 10 \ P(10 \ c) = \frac{5}{8} \cdot \frac{4}{7} = \frac{20}{56}$ → 15¢ $P(15¢) = 2 \cdot \frac{5}{8} \cdot \frac{3}{7} = \frac{30}{56}$ N D $D \xrightarrow{D} 20 \notin P(20 \notin) = \frac{3}{8} \cdot \frac{2}{7} = \frac{6}{56}$ Total & P(Total ¢) 1 - Var Stats . }L2 μ=x=13.75 20/56 10 L1 15 30/56 6/56 05 J=Jx=3.169 Expected n=1/ Value (Reduced Stac.) SEM . چلاپ

Oct 15-9:32 AM