Corneting HWI

1.2.10) On Part b, I mussed up calculation the Standard deviation. The career way to solve the Problem ic:

 $S^{2} = \frac{1}{90} \left(70 \left(1 - 152 \right)^{2} + 15 \left(2 - 1.52 \right)^{2} + 10 \left(3 - 1.52 \right)^{2}$ $+ 3 \left(9 - 1.52^{2} \right) + 2 \left(5 - 1.52 \right)^{2} \right) \approx 0.8789$ $S = \sqrt{0.8789} = 0.9372$

HUZ

2.1.2 a. s= (1,1,1,2,2,3)

- b. There are 3 1's and 1 3, and all are examin likely to som up, so the Probability of or and old number is if or 2
 - C. The sample sence isn't bused on the scabbility of each outcome, so it wouldn't change
 - q. Set it many charte

$$\frac{21.1}{100} \quad P(M) = .15, \quad P(M) = 0.05, \quad P(MM) = .17$$

$$\frac{21}{100} \quad P(M) = P(M) + P(M) - P(MM) = .03$$

$$\frac{1}{100} \quad .17 = .83$$

$$\frac{1}{100} \quad P(M) - P(MM) = .12$$

$$\frac{2.1.14}{100} \quad \frac{1}{100} \quad \frac{1}$$

$$\frac{15}{600} - \frac{1}{600} = \frac{11}{600}$$

c)
$$P(c|c) = \frac{P(c \wedge c)}{P(c)} = \frac{1}{2}$$

d)
$$P(e(c) = \frac{P(c \cdot c)}{P(c)} = \frac{\cdot 1}{\cdot 2} = \frac{1}{2}$$

$$\frac{e}{1 - P(c/c)} = 1 - \frac{1}{3} = \frac{23}{3}$$

$$P(L \land P) = .9 \cdot .3 = .19$$

$$.5 + .3 - .19 = (.69)$$

$$P(L^{c}N^{p}) = (5)(1-.2) = .35$$

 $P(L^{c}N^{p}) = (1-.5)(.3) = .15$

a)
$$\frac{71}{340}$$
 b) $\frac{36}{214}$ c) $\frac{22}{120}$
d) $\frac{22}{91}$ e) $\frac{36}{214}$ c) $\frac{22}{120}$



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$$P(E|N) = \frac{P(E \cap N)}{P(N)} = \frac{.2375}{.6375}$$

Alues size and that the Lord I (6 be worth exten Participation toints for sund amounts of extra credit. I think that the current by stem of Not Posking Notes or recability is finish. There will what be times where people have to miss ches and Wittout 18cture Moderal Posted it's facing them to Full behild