Random Variable عكم اسة الهاباى دلجة مع وحد Y = Sum of upward Face after colling Fdice PC/K30) = p(sumal - 115 630) X = numbered Cars pass in an hour Ahmed Pick > 2 no. (0->9)

- Pick > andeller or 26 ticket matches 2 numbers and 1 letter _> Price layyous that lotter match and one or both don't motoh - s lead des estacionalistos

Tentes profil from play 04R

E(X) = P(big price) * (10405 - 5) + P(small Price) * (100 - .5)

expeded

Profil Girliant

The profil from play 04R

1-P(small) - P(graph)

Profil Girliant

The profile of the price of the price of the price of the profile of

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10 trait 3Pish - Sunfish - > 100\$ other wise 20 \$ > 508 otherise what is the Expected value of bet ? X= (what you probit from bet ,) E(X) = P(3 sunfish) - (-100) + (1- P(3 sunfish) P(& sunlish) = 10 = 1 orgetting P(3 sunlish) = 12 x 12 x 12 what is the Expected value of bet 2?. Y = . what you prolited bit? ... E(Y) = p(alleast 2 sunfish) - (50) +

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Prob (score) ===7 25coles Prob (miss) = 0.3 P(Exactly 2 scores in 6 attempts) = (0.7)2. (0.3) - 15 SS MMMM $6 = \frac{6!}{2!(6-2)!}$ MSMSMM 6.0 60 FO EO FO 2 types of random variable Continous any value in interval discrete -> distinct - Separat evalues -> Pinite -> amount - and in finite -> thry do. tend to be integers but not have to be integers distribution Function طب ازاں مناه عول ان عابزة علاً واله exact P(15x4<5.1) = P(14-5/<0.1)

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Visualization of abinomial distribution _____s discrete/ in Surance and death prob X= number of success with pubability patter a trials E(x) = n.p X = number of baskets I make after to shots E(x)= n.P= $P(X=K) = \binom{n}{k} P (1-P)$ Lawor large numbers where $X_n = X_1 + X_2 + X_3 + \cdots$ where $X_n = X_1 + X_2 + X_3 + \cdots$ large sampl X_ -> E(X) Ta - 38

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