ELEG 310 Gaaps 324

log X = ln X

anaconda.org

Down 2 pts, 10 secs

Shoot 2 pt shot

Shoot 2 pt shot

Soro

Soro

Soro

MESS

MESS

W- P[W] = 0.25

Smoot 3 pt shot win P(win) 3,38

was Lose

P(no birthhay in commen ns thologs in year LE H people in room

 $S = \frac{1}{2} \cdot \left(\frac{N-1}{N} \circ \left(\frac{N-2}{N} \right) \circ \left(\frac{N-k+1}{N} \right) \right)$

を(1-2)(1-4)(1-2)···(1-2)

log P(+)= los (1-5) + los (1-4) + -+ log (1- 5)

(og (1+x) xx when x &0

Plus birthdy in common) ~ e - K(K-1)/(20) ~ } -K(K-1) 2 + log & - log 2 => +(k-1) 2 112 log 2 => Kas Tr

Hyper gramed ric Probs Cod Co deck of cards Pmb (3 of one suit, lot another, lot a third R30,10,183 Ŋ , draw (13)(13)(14)(13) 25/25

Ghop 4 - Discrebe RU

X = random varable X X Z X, X, X, X,

outcomes = numbers k, lumin co lower case E upper case

P(X=k) = Prob (RV X has valenc k) = p(k) prob mass function (pmf) η × (*)

roll a die P(K) = } K=1,2,3,4,5,6 plkso all other k

Ex. Bernoulli RU P(X=1) sp P(X=0) sq stp
P(k) = Sp K=1

Campladie Distribation Function Fx (k) = P(X Sk) call value

cor = corsity

FX(w) 1 P(XS m)
for 100 x u r 00

COPE FXXXX