10/30/2023

- HW is due on M, · Test on M . 25 AP classroom

* Quitzes in AP Barrows 3

· few extra practice questions

Binomial Dist

- 2 outcomes successes V failure

P= prob(succ) q= prob(fail)

Pte= I

· N trials, each trial an

o same setup

o tindependents

· Question setup

" what is prob of getting & succ in n trials "

Ans: Prob(n trials) = (N) Pk En-k

Geometric Distributions

- 2 outcomes successes / failure

P= prob(succ) q= prob(fail)

P+ 2= 1

- each trial an o same setup

* Aindependents

- Questions "what is propose of getting first success on kth trial"

Q k 1 P

Q: What is prob. of flipping Ton

 $(1/2)(1/2)-\cdots(1/2)(1/2)$ all of the failures your success Conhole 25% of scoring Example: Prob of scoring on your 4th try? (0.75) (0.25) q = prol (fail) Binovind 9 k-1 $\binom{n}{k} p^k q^{n-k}$ Formula U Standrel Unp9