



Expected #Heads

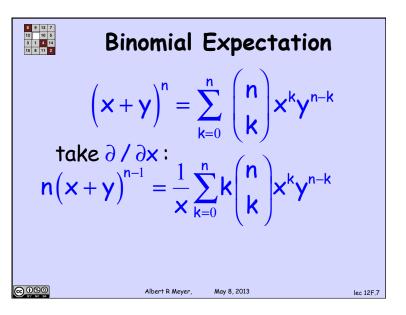
Binomial theorem and differentiating gives a closed formula

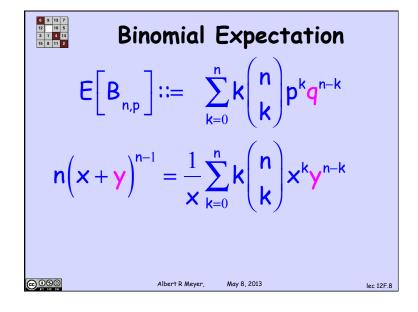
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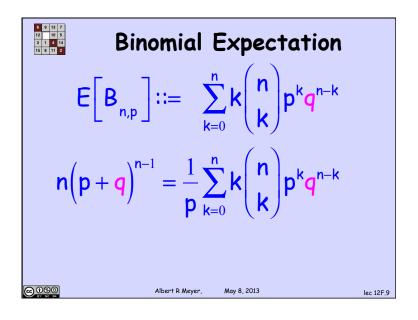
Albert R Meyer,

May 8, 2013

lec 12F.6







Binomial Expectation
$$E[B_{n,p}] ::= \sum_{k=0}^{n} k \binom{n}{k} p^{k} q^{n-k}$$

$$n = \frac{1}{p} \sum_{k=0}^{n} k \binom{n}{k} p^{k} q^{n-k}$$

$$\text{Albert R Meyer, May 8, 2013}$$

$$|ec 12F.10|$$

