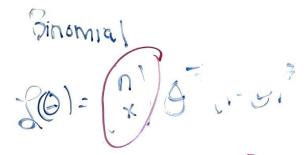
= P(H) + P(B) - P(A)B Support

P(X=1)+P(X=2)+...+P(X=4)=1

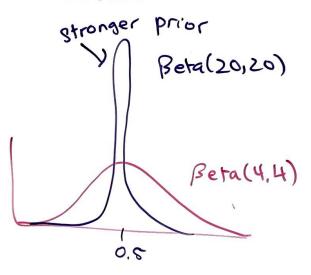
$$= 7 \ln(\theta) + 3 \ln(1-\theta)$$

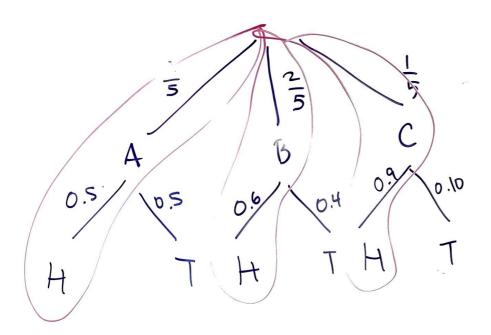
$$l'(0) = \frac{7}{0} - \frac{3}{1-0}$$

$$\Rightarrow \hat{O} = \frac{1}{l0}$$
 MLE



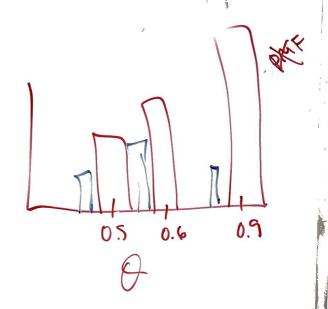
Constant wirit. O





$$P(x) = \int p(x,y) dy$$

 $P(x) = \sum_{y} p(x,y)$



-00