Lecture 11

September 30, 2020 2:30 PM Distribution parameters X~ Bernoulli(0) $\Rightarrow X = \begin{cases} 1 & \text{wp } \theta \\ 0 & \text{wp } 1-\theta \end{cases}$ $\forall \sim \mathcal{N}(\mu, \sigma)$ Big question! estimale D, M, J · Maximum [ikelihood · With high probability · brased/un brased K, 72, ... A- LXX

Suppose X, ..., Xm Who) $\Lambda = \frac{1}{m} \sum_{i=1}^{N} X_i$ To Λ an unbiased estimate

$$E_{D}[A_{0}] = E_{D}[A_{0}] = E_{D}[A_{0}]$$

$$= \frac{1}{|D|} E_{D}[X_{0}]$$

$$=$$