

sampling distribution the probability distribution of statistic if XI, Xz, -- , Xn are 1 i.i.d. E(X;)=M. Var (Xi) = 52. then. Et Xi ~ N (mean var.) mean = E-M = nM.  $\overline{\chi} = \frac{1}{N} \cdot \mathcal{E} \chi_1$ Sample 東へN(M., 売) E(X)= + · E(ZXi) = + · nM= M Var(x) = 1 Var(\(\infty\)) = \(\frac{1}{n^2}\) \(\infty\) \(\infty\)

