Let a parameter of of f(x) { such as $\mu = E[X], \sigma^2 = E[(X-\mu)^2], ...}$ If ann estimator $\hat{\theta} = \hat{\theta}(n, x_1, ..., x_n)$ such that $\hat{\theta} = 0$ { constituting and $f(n, x_1, ..., x_n)$ such that EFORWLLN EFORCLT If we consider a population parameter 0 = E(9X)] which 9X) s.t E(9X), E(9X) < oo, then • WLLN: the plug-in estimator 0 = 1 ∑9(x;) P > E[9(x)] = 0 · CLM: the plug-in estimatal Q = 1 = 9(X;), Vn (6-0) = 7 ~ NO) Vg), Vg=Var(g(X)) = [(9x)-0)] >delea method: Tr (h(0)-h(0)) - > Z/2 N(0, V9) = N(0, K'0), V9) = N(0, Vb), V= h(0) Vb *1) To practically use the asymptotic distribution we need an estimation for Vh. It turns out that the plug-in estimator (h=h(2).Vg=h(2).Vg=h(2).Vg=h(2).Vg=h(2).Vg=h(3).Vg=h((42) $\left(h(\hat{\theta}) \stackrel{\alpha}{\sim} N(h(\theta), \frac{V_h}{h})\right)$ and $\left(t = \frac{\ln(\hat{\theta} - \beta)}{\sqrt{V_2}} = \frac{\ln(h(\hat{\theta}) - h(\theta))}{\sqrt{V_k}}\right)$