cLM Say it jou collect sample from population with Sumple sire > 30. Sample (n) = n1, n2, n3---- n40 Sample sile > 30 Sample mean = X, X2, X3 - -11, 17, 21, 23, 26, 29, 32, 37]

Hypothesis testing

4 Confidence interval cal Region

Region

Region

Lower

Lower

CR critical Region

Ho (null hypothesis) It support always confidence Interval. (Acceptance

H_(Alternet hypothesis) It support always critical Region.

Ho - We fail to reject Ho H, = we reject Ho, and accept H,.

$$N = 10000$$
 $11 = 285$

$$\Lambda = 40$$

$$\overline{x} = 140$$

P = It is probability of Ho to be

 $P = 0.15^{-}$ $\propto = 0.05^{-}$

PSX

In this case we fail to reject null hypothesis.

DLL We reject null hypothesis and accept alternet hypothesis.

A Type of hypothesis test

1) Parametric test

1) von-polymetric fest

O Parametric test

1 Z-fest

1 T-test

(I) Binomial test

(N) poisson test (D) exponential test

2 Non-parametric test

D chi-square test

1 Anora (f1)

Sample size < 30 4 T-test missing

{Sample sne > 30 } Z-test.

