

Estimation: estimate parameters

estimator: rule (Formula) to compute value of

estimate

estimate: guessed value of parameter

Point estimate
Single value
mean of pop=0.5

Interval estimate interval that should enclose parameter mean between 0.2 and 0.8

Hypothesis testing

Hypothesis: assumption about a population parameter Test if true based on sample

Alternate hypothesis: what we seek to support Null hypothesis: default assumption

Identify test statistic

Find value of ) 3 Decision: p-value, etc

J Decisión. p-value, e

Reject null Fail to reject null

Null hypothesis
Alternate hypothesis
Test statistic
Réjection region