NUMERICALS BASED ON REJECTION REGION AND P-VALUE (Z-TEST)

REJECTION REGION

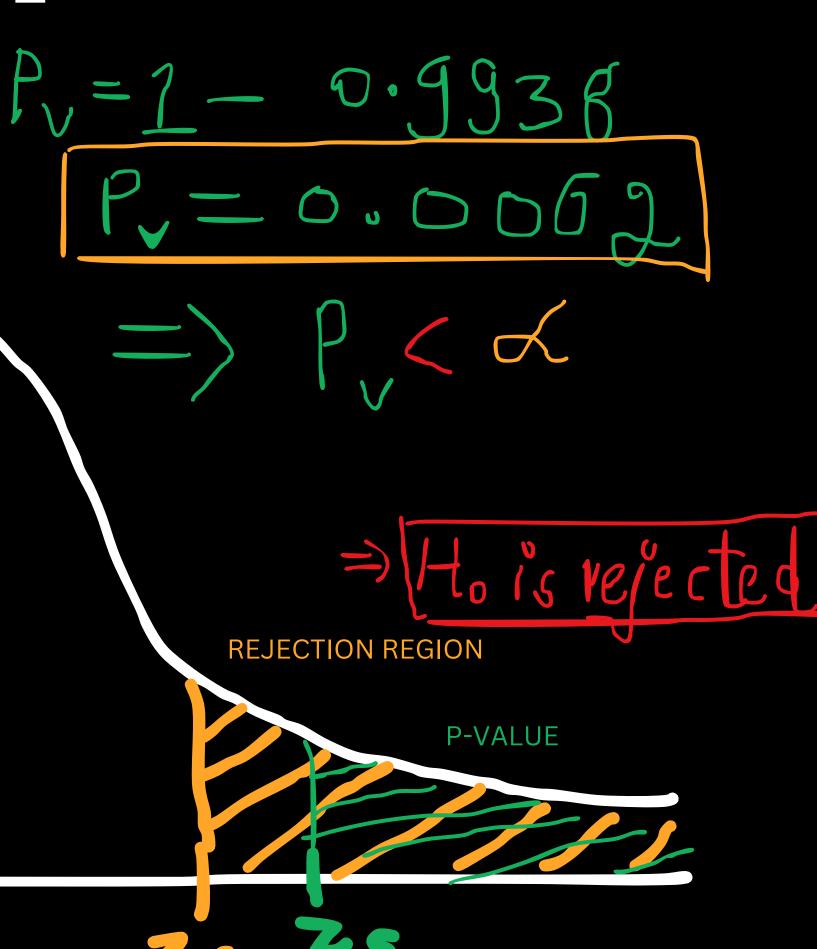
Ho = Housing inflation is 10% Ha = Housing inflation is more than 10% Let alpha = 5% = 0.05 Zc = z-critical = 1.645 (based on 0.95 cumulative probability - z table) Zs = z-sample Let sample mean = 11 Let standard deviation = 4 Let sample size = 100 Population mean = 10 **REJECTION REGION**

P-VALUE

Ho = Housing inflation is 10% Ha = Housing inflation is more than 10% Let alpha = 5% = 0.05 Zc = z-critical = 1.645 (based on 0.95 cumulative probability - z table) Zs = z-sample Let sample mean = 11 Let standard deviation = 4 Let sample size = 100 FROM Z-TABLE, **CUMULATIVE PROBABILITY CORRESPONDING TO Z-SAMPLE**

FROM Z-TABLE,
CUMULATIVE PROBABILITY
CORRESPONDING TO Z-SAMPLE
(2.5) = 0.9938

Population mean = 10



THANK YOU!