

Chapter (5) If X=0.05, Z0.025=1.96 If X=0.01, Z0.005=2.575 If 6 2 is known CI = X + Zw2 Joi If of is unk, CI = X + tx2(n-1) 5 For Proportion CI-P +. ZXX2 P(1-P) EMON E = ZOVO IM Chapter (6) Type I emon is rejecting to when the is actually true. Type 2 emon is failing to reject to when the is false. x = P(reject Hol Ho is Tre) B = P(fail to reject Ho! Ho is false) To find P valves (and test) 1. Find Ho, Hr. 2. Find & 3. Find Zo onto for Sample  $\frac{2}{50} = \frac{\overline{x} - M}{5/\sqrt{n}} \quad t_0 = \frac{\overline{x} - M}{5/\sqrt{n}} \quad \text{For 2 sample } t_0 = \frac{\overline{D}}{5/\sqrt{n}}$   $\frac{1}{50} = \frac{1}{50} \cdot \frac{5}{\sqrt{n}} \cdot \frac{1}{50} = \frac{1}{50} = \frac{1}{50} \cdot \frac{1}{50} = \frac{1}{50} = \frac{1}{50} = \frac{1}{50} \cdot \frac{1}{50} = \frac{1}{50} = \frac{1}{50} = \frac{1}{50} = \frac{1}{50} = \frac{1}{50} = \frac{1}{50} =$ For Proportion 4. Find Puglie: H. MZMo P(ZZZo) Or chang to P(t(n)) zto) HILMCMO P(ZCZO) H.: M + Mo 12 min (P(2>20), P(2(20)) 5. If PSX, reject Ho. If P>a, fail to revat Ho Test Using CI: 1. same 2. same 3. CI = XIZN2 9. If MECI, fail to dejot If M&CI, reject E(x;-K)(Y;-Y) Chapter (7) Coefficient of coefficiation  $g_{xy} = \frac{2(x_i - x_i)(y_i - y_i)}{2(x_i - x_i)^2 \xi(y_i - y_i)^2} = \frac{5xy}{5xx5yy}$ Sxy=ExiY:-NXY Sxx=XX2-NX2  $\beta_1 = \frac{5xy}{5xx}$ Y=Po+P,X Marante 0 = Syy-P, Sxy For Hypothesis testing usually Ho # = Beo H: Bo + Bo,0.