MATH 4581: F18 3 n=11: P(X≥ 19.675) = 0.05 (3) $X+Y+Z \sim \chi^{2}(28) \Rightarrow Z = 48.278$ $(F) F \sim F(73) \Rightarrow 7 = 5.26619$ P(T > 1.476) = 0.1 => P(T < Z) = 0.95 => Z = 2.015 (a) t= | x-Mo | = 0.894 : p= 0.395 = accept to at 5% level. 0.4 0.3 0.2 0.1 85 70 25 20 200 Observed 80 60 40 20 df=t-1=3x=7-604 p= 0.055 > 0.01 > accept to at 1% level.