

Reading Score Problem X1,..., Xn ~ N(M1, 0") Yy..., Yn ~ N(M, 0°) Ho: M.7, M. H: M.4M2 The test statistic is $U = \frac{(u_1 + u_2)^{\frac{1}{2}} (\bar{x}_u - \bar{y}_u)}{(\bar{y}_u + \bar{y}_u)^{\frac{1}{2}} (\bar{s}_x^2 + \bar{s}_y^2)^{\frac{1}{2}}}$ M= 8 N= 6 x = \$ £ xi = 1.5125 マ= 古幸丁:=1.6683 5= = (xi-x) = 0.18075 Sq = \$ (Yi - q) = a 16768 : U= 512 x (1.5126-1.6683) (\$+6) = x(0.18.75+0.16768) = = -1.6429 df = m+n-2=12 d=0.1 U~ to till- x)= +12(29) = 1-365 Reject Its when U E-T-1 men-x(1-d) In this question - Tuntu-2(1-d) =- 1.365 : U <- T-1 (1-x) So we reject 1. Mean of group I is not large than or equal to grow