Homework 7 Suggeson Lee A: 85, 92, 33, 18, 90 B: 16, 32, 80, 70, 15 C: 95,89, 92, 86, 96 Ho: Ma = Mb = Mc H1: Ma, Mb, Me are not equal Dr some a, b, or c. K=3, n=15  $4f_1 = k-1=2$ df. = n-k= 15-3=12 F = - (88+ 92+ 88 + 78+90) = 86.6 B = - (16 + 32 + 60 + 70 + 98) = 76.6 Tc = = (95+89+92+88+96) = 92 Y= 85.07 SSB = 5.(866-85.07) +5(96.6-85.07) +5(92-85.07) = 6(0.54 SSJ = (85-85.07)2+(92-85.01)2+...+ (96-85.01)2 = 866 .94  $F_{\alpha} = \frac{60.54}{2} = 4.23$   $F_{\alpha} = 3.8853$ Since Fc > Fx, we reject the null hypothesis and condude that there are significant difference