Cory Nichols Experimental Statistics 1 06/10/2015

Group Mean Coefficient

Control 4.9 -2

Crutches 5.9214 1

Wheelchair 5.3429 1

d.f. = 4



s(pooled) = 1.6329

g = -2(4.9) + 5.9214 + 5.3429 = 1.4643

SE(g) = 

1) State Hypothesis



2) Find t-critical value

t-critical on 65 d.f. = 1.9971

3) Find test statistic

t statistic = 1.370

4) Find p-value

Two sided p: 0.175

5) Make a decision

We do not reject the null hypothesis

6) State your decision

There is evidence to show that the mean of the control group is not significantly different than the combination of the crutches and wheelchair groups.