**SAS Code from Section 6.7**

**PROC GLM for Completely Randomized Design**

**MSDS 6372**

**Note that these really are repeated measures data. The CRD formulation is meant to show you what can happen when you analyze data incorrectly.**

**data** simpleCRD;

input Time Score @@;

datalines;

1 30 1 14 1 24 1 38 1 26

2 28 2 18 2 20 2 34 2 28

3 34 3 22 3 30 3 44 3 30

;

**run**;

**PROC** **GLM** data=simpleCRD;

class time;

model score=time;

**run**; **quit**;

**SAS Code for repeated measures formulation of data from Section 6.7**

**This is the correct code!**

**data** simpleRM;

input subject time1 time2 time3;

datalines;

1 30 28 34

2 14 18 22

3 24 20 30

4 38 34 44

5 26 28 30

;

**run**;

/\* Repeated Measures ANOVA Code \*/

**PROC** **GLM** data=simpleRM; /\*data option is good practice \*/

model time1 time2 time3 = / nouni;

/\*nouni = no univariate tests. If not specified, SAS \*/

/\* will run three univariate ANOVA, one for each level of time \*/

repeated time **3** / printe;

/\* repeated tells SAS that the variables on the LHS of the model statement are repeated measures and not separate variables \*/