**proc** **import**

datafile="C:\Users\user\Desktop\ex3-1-new.csv"

out=trial

;

getnames=yes;

**run**;

**data** trial\_A;

set trial;

if TRT="A";**run**;

**proc** **sgplot** data=trial\_A;

hbox SCORE;

xaxis label="treatment";

keylegend / title="Boxplot of score in treatment=A";

refline **20** / axis=y label="SCORE=20" lineattrs=(color=green);

**run**;

ods graphics on;

**proc** **ttest** h0=**20** plots(showh0) sides=l data=trial\_A;

var SCORE;

**run**;

ods graphics off;

**proc** **sgplot** data=trial;

vbox SCORE/ group=TRT;

xaxis label="treatment";

keylegend / title="Boxplot of score by treatment";

refline **20** / axis=y label="SCORE=20" lineattrs=(color=green);

**run**;

**proc** **glm** data=trial;

class TRT;

model SCORE=TRT/SS3;

**run**;

**proc** **glm** data=trial;

class TRT CENTER;

model SCORE=TRT CENTER TRT\*CENTER;

**run**;

**proc** **glm** data=trial;

class TRT CENTER;

model SCORE=TRT CENTER;

**run**;





















