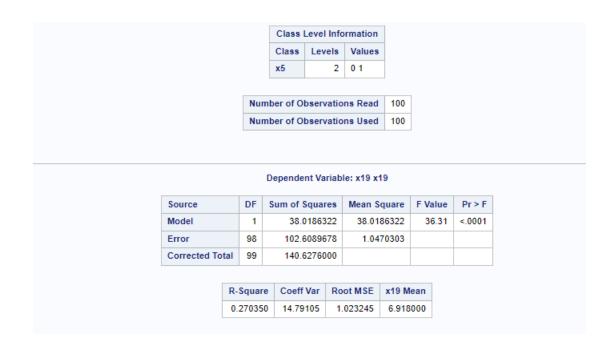
Week 7 Assignment

Sai Kumar Murarishetti

Lewis ID: L30079224

1. Since the GUI version of SAS UE does NOT support MANOVA, this part will focus on ANOVA. For the data set associated with this homework (HBAT200.sav), reproduce Tables 5, 6 and 7 and figure 6 (SeeTables.pdf). You may not be able to reproduce all (similar) entries

Table 5:



Class Level Information			
Class	Levels	Values	
х5	2	0 1	

Number of Observations Read	100
Number of Observations Used	100

Dependent Variable: x20 x20

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	- 1	17.2130396	17.2130396	18.63	<.0001
Error	98	90.5469604	0.9239486		
Corrected Total	99	107.7600000			

R-Square	Coeff Var	Root MSE	x20 Mean
0.159735	13.69263	0.961222	7.020000

Class Level Information Class Levels Values x5 2 0 1

Number of Observations Read	100
Number of Observations Used	100

Dependent Variable: x21 x21

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	16.38684949	16.38684949	22.82	<.0001
Error	98	70.36625051	0.71802296		
Corrected Total	99	86.75310000			

R-Square	Coeff Var	Root MSE	x21 Mean
0.188891	10.98616	0.847362	7.713000

Table 6:

Dependent Variable: x19 x19

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	- 1	38.0186322	38.0186322	36.31	<.0001
Error	98	102.6089678	1.0470303		
Corrected Total	99	140.6276000			

Dependent Variable: x20 x20

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	17.2130396	17.2130396	18.63	<.0001
Error	98	90.5469604	0.9239486		
Corrected Total	99	107.7600000			

Dependent Variable: x21 x21

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	16.38684949	16.38684949	22.82	<.0001
Error	98	70.36625051	0.71802296		
Corrected Total	99	86.75310000			

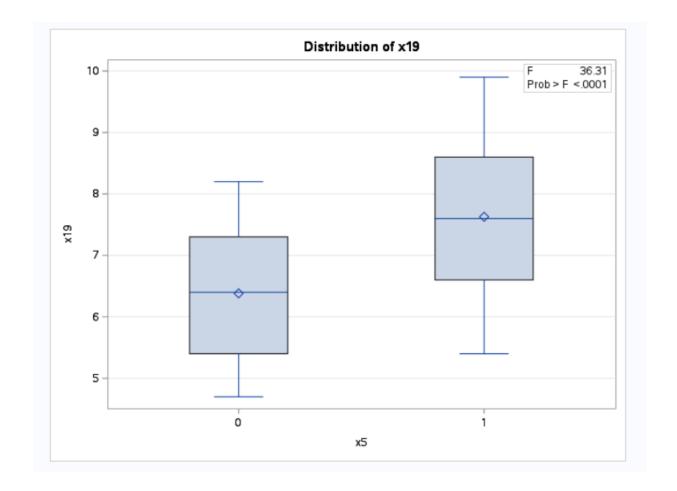
Bartlett's Test:

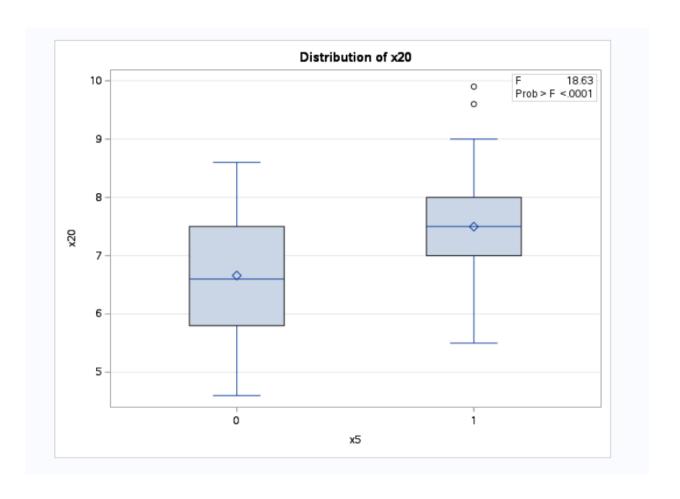
Bartlett's Test for Homogeneity of x19 Variance					
Source	DF	Chi-Square	Pr > ChiSq		
х5	1	0.3357	0.5623		

Bartlett's Test for Homogeneity of x20 Variance					
Source	DF	Chi-Square	Pr > ChiSq		
х5	1	0.0117	0.9137		

Bartlett's Test for Homogeneity of x21 Variance						
Source	DF	Chi-Square	Pr > ChiSq			
х5	1	1.8584	0.1728			

Figure 6:





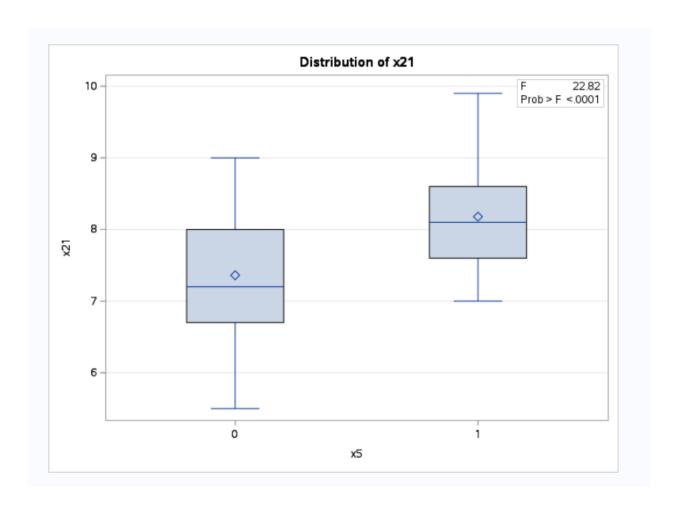


Table 7:

Dependent Variable: x19 x19 Mean Square F Value Source DF $Pr \ge F$ Sum of Squares Model 38.0186322 38.0186322 36.31 <.0001 1 102.6089678 1.0470303 Error 98 Corrected Total 99 140.6276000 R-Square Coeff Var Root MSE x19 Mean 0.270350 14.79105 1.023245 6.918000

Source	DF	Sum of Squares		Mean Square		F Value	Pr > F
Model	1	17.2130	17.2130396		30396	18.63	<.0001
Error	98	90.5469604		0.9239486			
Corrected Total	99	107.7600	0000				
orrected lotal	99	107.7600	0000				
R	-Squar	re Coeff Var	Coeff Var Ro		x20 M	ean	
	.15973				.961222 7.020		

Source	DF	S	Sum of Squares		Mean S	quare	F Valu	ue	Pr > F
Model	1		16.38684949		16.386	84949	22.	82	<.0001
Error	98		70.36625051		0.71802296				
Corrected Total	al 99		86.75310000						
	R-Square 0.188891		Coeff Var	Root MSE		x21 Mean			
			10.98616 0		.847362 7.713		8000		