

APPENDIX G
T-TEST OUTPUT FILES

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 10:52:03 AM								
5	From File			Pro_Farmview.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-01											
14	Sample 2 Data: BR-02											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				11536	850						
20	Number of Distinct Observations				4533	691						
21	Minimum				4106	9766						
22	Maximum				17778	13268						
23	Mean				11759	11135						
24	Median				11456	11050						
25	SD				1564	614.6						
26	SE of Mean				14.56	21.08						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			12384	11.572	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			1821.7	24.366	1.646	0.000					
35	Pooled SD 1517.798											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				2445469							
44	Variance of Sample 2				377715							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	11535		849		6.474		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 8:45:34 AM								
5	From File			Pro_Hig.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-04											
14	Sample 2 Data: BR-07											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				2906	2389						
20	Number of Distinct Observations				2288	1860						
21	Minimum				7892	7975						
22	Maximum				16512	15641						
23	Mean				12655	12511						
24	Median				13022	12843						
25	SD				1588	1449						
26	SE of Mean				29.46	29.64						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			5293	3.431	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			5236.1	3.462	1.645	0.000					
35	Pooled SD 1526.915											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				2522583							
44	Variance of Sample 2				2098981							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	2905		2388		1.202		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 8:46:59 AM								
5	From File			Pro_saxes.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-05											
14	Sample 2 Data: BR-07											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				1387	2389						
20	Number of Distinct Observations				1073	1860						
21	Minimum				10936	7975						
22	Maximum				16067	15641						
23	Mean				13411	12511						
24	Median				13431	12843						
25	SD				731.6	1449						
26	SE of Mean				19.64	29.64						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			3774	21.591	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			3712.4	25.309	1.645	0.000					
35	Pooled SD 1234.785											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				535230							
44	Variance of Sample 2				2098981							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	2388		1386		3.922		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 8:43:29 AM								
5	From File			Pro_Dut.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-06											
14	Sample 2 Data: BR-07											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				1452	2389						
20	Number of Distinct Observations				1140	1860						
21	Minimum				9875	7975						
22	Maximum				15757	15641						
23	Mean				13363	12511						
24	Median				13430	12843						
25	SD				799.5	1449						
26	SE of Mean				20.98	29.64						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			3839	20.584	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			3807.4	23.461	1.645	0.000					
35	Pooled SD 1243.873											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				639154							
44	Variance of Sample 2				2098981							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	2388		1451		3.284		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 8:53:21 AM								
5	From File			Pro_Westgate.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-08											
14	Sample 2 Data: BR-09											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				5590	222						
20	Number of Distinct Observations				2387	214						
21	Minimum				9771	10313						
22	Maximum				14234	13565						
23	Mean				11990	11960						
24	Median				11988	11998						
25	SD				692.9	736						
26	SE of Mean				9.267	49.4						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			5810	0.636	1.645	0.262					
34	Welch-Satterthwaite (Unequal Variance)			236.8	0.602	1.651	0.274					
35	Pooled SD 694.560											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				480066							
44	Variance of Sample 2				541763							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	221		5589		1.129		0.194					
48	Conclusion with Alpha = 0.05											
49	Two variances appear to be equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 8:51:06 AM								
5	From File			Pro_Spencer.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-10											
14	Sample 2 Data: BR-11											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				9253	596						
20	Number of Distinct Observations				3326	504						
21	Minimum				5888	9449						
22	Maximum				15179	12762						
23	Mean				11968	10898						
24	Median				11977	10882						
25	SD				995.5	590.9						
26	SE of Mean				10.35	24.2						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			9847	25.936	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			830.7	40.635	1.647	0.000					
35	Pooled SD 975.843											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				991059							
44	Variance of Sample 2				349106							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	9252		595		2.839		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 8:49:12 AM								
5	From File			Pro_Wildcat.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-12											
14	Sample 2 Data: BR-13											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				4644	961						
20	Number of Distinct Observations				2532	793						
21	Minimum				6114	9526						
22	Maximum				12050	13180						
23	Mean				9136	11273						
24	Median				9121	11311						
25	SD				895.1	645.8						
26	SE of Mean				13.14	20.83						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			5603	-70.304	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			1815.6	-86.756	1.646	1.000					
35	Pooled SD 857.578											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				801263							
44	Variance of Sample 2				417094							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	4643		960		1.921		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 8:54:41 AM								
5	From File			Pro_blake.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-15											
14	Sample 2 Data: BR-14											
15												
16												
17	Raw Statistics											
18				Sample 1	Sample 2							
19	Number of Valid Observations			5395	1359							
20	Number of Distinct Observations			2811	1151							
21	Minimum			2032	7695							
22	Maximum			14053	14509							
23	Mean			10759	10873							
24	Median			10861	10816							
25	SD			1053	1128							
26	SE of Mean			14.33	30.59							
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31				t-Test	Critical							
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			6752	-3.525	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			1995.4	-3.383	1.646	1.000					
35	Pooled SD 1068.235											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1			1108213								
44	Variance of Sample 2			1271858								
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	1358		5394		1.148		0.001					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 8:56:29 AM								
5	From File			Pro_Swede.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-17											
14	Sample 2 Data: BR-16											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				4388	592						
20	Number of Distinct Observations				2285	498						
21	Minimum				9100	9470						
22	Maximum				13870	12360						
23	Mean				11555	10614						
24	Median				11586	10587						
25	SD				761	461.3						
26	SE of Mean				11.49	18.96						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			4978	29.364	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			1084.9	42.445	1.646	0.000					
35	Pooled SD 731.836											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				579070							
44	Variance of Sample 2				212790							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	4387		591		2.721		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 8:58:12 AM								
5	From File			Pro_crippen.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-18											
14	Sample 2 Data: BR-19											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				5231	727						
20	Number of Distinct Observations				2427	614						
21	Minimum				6821	6066						
22	Maximum				16990	9949						
23	Mean				9510	7524						
24	Median				9395	7479						
25	SD				920.9	615.6						
26	SE of Mean				12.73	22.83						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			5956	56.411	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			1231.4	75.962	1.646	0.000					
35	Pooled SD 889.323											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				848085							
44	Variance of Sample 2				378912							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	5230		726		2.238		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:17:14 AM								
5	From File			Clark_rd_b.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-20											
14	Sample 2 Data: BR-21											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				3944	877						
20	Number of Distinct Observations				2708	769						
21	Minimum				5404	6232						
22	Maximum				13511	12463						
23	Mean				8825	8611						
24	Median				8747	8560						
25	SD				1317	898.8						
26	SE of Mean				20.97	30.35						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			4819	4.578	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			1820.2	5.798	1.646	0.000					
35	Pooled SD 1251.494											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				1734740							
44	Variance of Sample 2				807781							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	3943		876		2.148		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:21:43 AM								
5	From File			Mckinney_campbell_c.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-23											
14	Sample 2 Data: BR-22											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				3375	704						
20	Number of Distinct Observations				2310	665						
21	Minimum				5349	5947						
22	Maximum				13217	13126						
23	Mean				8590	9317						
24	Median				8498	9019						
25	SD				1182	1646						
26	SE of Mean				20.34	62.05						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			4077	-13.780	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			860.2	-11.140	1.647	1.000					
35	Pooled SD 1274.111											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				1396851							
44	Variance of Sample 2				2710464							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	703		3374		1.940		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:23:38 AM								
5	From File			Mckinney_campbell_c.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-24											
14	Sample 2 Data: BR-22											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				3375	704						
20	Number of Distinct Observations				2310	665						
21	Minimum				5349	5947						
22	Maximum				13217	13126						
23	Mean				8590	9317						
24	Median				8498	9019						
25	SD				1182	1646						
26	SE of Mean				20.34	62.05						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			4077	-13.780	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			860.2	-11.140	1.647	1.000					
35	Pooled SD 1274.111											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				1396851							
44	Variance of Sample 2				2710464							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	703		3374		1.940		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:26:09 AM								
5	From File			Roberts_Hill_rd_b.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-25											
14	Sample 2 Data: BR-26											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				1984	343						
20	Number of Distinct Observations				1608	328						
21	Minimum				5069	5882						
22	Maximum				13248	11208						
23	Mean				7781	8226						
24	Median				7436	8254						
25	SD				1487	892.8						
26	SE of Mean				33.38	48.21						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			2325	-5.375	1.646	1.000					
34	Welch-Satterthwaite (Unequal Variance)			719.9	-7.585	1.647	1.000					
35	Pooled SD 1415.014											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				2210101							
44	Variance of Sample 2				797172							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	1983		342		2.772		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:27:43 AM								
5	From File			Piper_rd_b.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-28											
14	Sample 2 Data: BR-27											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				3376	579						
20	Number of Distinct Observations				2328	545						
21	Minimum				4597	5708						
22	Maximum				12475	11333						
23	Mean				7785	8267						
24	Median				7678	8281						
25	SD				1234	955.5						
26	SE of Mean				21.24	39.71						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			3953	-8.947	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			942.9	-10.702	1.646	1.000					
35	Pooled SD 1197.479											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				1523192							
44	Variance of Sample 2				912904							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	3375		578		1.669		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:29:04 AM								
5	From File			Etzel_rd_b.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-29											
14	Sample 2 Data: BR-30											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				2556	759						
20	Number of Distinct Observations				2103	655						
21	Minimum				5309	5687						
22	Maximum				14465	10360						
23	Mean				9490	7925						
24	Median				9041	7965						
25	SD				1924	703.5						
26	SE of Mean				38.05	25.54						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			3313	21.984	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			3192.1	34.159	1.645	0.000					
35	Pooled SD 1722.442											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				3700154							
44	Variance of Sample 2				494907							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	2555		758		7.476		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:39:03 AM								
5	From File			Allegheny_e.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-31											
14	Sample 2 Data: BR-32											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				7245	1958						
20	Number of Distinct Observations				3605	1541						
21	Minimum				6200	6527						
22	Maximum				14415	14117						
23	Mean				9801	10093						
24	Median				9744	10057						
25	SD				1172	1118						
26	SE of Mean				13.77	25.28						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			9201	-9.890	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			3215.3	-10.161	1.645	1.000					
35	Pooled SD 1161.143											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				1374541							
44	Variance of Sample 2				1250949							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	7244		1957		1.099		0.010					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:39:57 AM								
5	From File			Allegheny_e.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-33											
14	Sample 2 Data: BR-32											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				2603	1958						
20	Number of Distinct Observations				1587	1541						
21	Minimum				6030	6527						
22	Maximum				10975	14117						
23	Mean				8406	10093						
24	Median				8442	10057						
25	SD				658.4	1118						
26	SE of Mean				12.91	25.28						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			4559	-63.691	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			2959.1	-59.459	1.645	1.000					
35	Pooled SD 885.681											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				433556							
44	Variance of Sample 2				1250949							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	1957		2602		2.885		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:40:55 AM								
5	From File			Allegheny_e.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-34											
14	Sample 2 Data: BR-32											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				3347	1958						
20	Number of Distinct Observations				1991	1541						
21	Minimum				5340	6527						
22	Maximum				11448	14117						
23	Mean				8211	10093						
24	Median				8276	10057						
25	SD				790.3	1118						
26	SE of Mean				13.66	25.28						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			5303	-71.518	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			3112.0	-65.515	1.645	1.000					
35	Pooled SD 925.080											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				624642							
44	Variance of Sample 2				1250949							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	1957		3346		2.003		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:41:55 AM								
5	From File			Allegheny_e.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-35											
14	Sample 2 Data: BR-32											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				2186	1958						
20	Number of Distinct Observations				1590	1541						
21	Minimum				5972	6527						
22	Maximum				12056	14117						
23	Mean				9076	10093						
24	Median				9036	10057						
25	SD				925.2	1118						
26	SE of Mean				19.79	25.28						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			4142	-32.033	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			3809.4	-31.704	1.645	1.000					
35	Pooled SD 1021.073											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				855972							
44	Variance of Sample 2				1250949							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	1957		2185		1.461		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:43:27 AM								
5	From File			Warner_rd_b.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-37											
14	Sample 2 Data: BR-36											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				10257	975						
20	Number of Distinct Observations				2917	802						
21	Minimum				5591	5693						
22	Maximum				11617	10981						
23	Mean				8059	8502						
24	Median				8069	8566						
25	SD				699.3	748.1						
26	SE of Mean				6.905	23.96						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			11230	-18.776	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			1141.8	-17.759	1.646	1.000					
35	Pooled SD 703.653											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				489004							
44	Variance of Sample 2				559612							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	974		10256		1.144		0.004					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:45:10 AM								
5	From File			Snyder_rd_b.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-39											
14	Sample 2 Data: BR-38											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				1124	406						
20	Number of Distinct Observations				899	372						
21	Minimum				6124	6105						
22	Maximum				10535	10668						
23	Mean				7920	7979						
24	Median				7942	8006						
25	SD				648.8	661.5						
26	SE of Mean				19.35	32.83						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			1528	-1.552	1.646	0.940					
34	Welch-Satterthwaite (Unequal Variance)			704.6	-1.538	1.647	0.938					
35	Pooled SD 652.169											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				420889							
44	Variance of Sample 2				437624							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	405		1123		1.040		0.624					
48	Conclusion with Alpha = 0.05											
49	Two variances appear to be equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 9:48:08 AM								
5	From File			Stewart_rd_b.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-40											
14	Sample 2 Data: BR-41											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				3712	510						
20	Number of Distinct Observations				1933	458						
21	Minimum				5684	5868						
22	Maximum				11617	10227						
23	Mean				7866	7974						
24	Median				7883	8001						
25	SD				653.1	679.1						
26	SE of Mean				10.72	30.07						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			4220	-3.461	1.645	1.000					
34	Welch-Satterthwaite (Unequal Variance)			645.1	-3.360	1.647	1.000					
35	Pooled SD 656.334											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
38	Welch-Satterthwaite Test: Do Not Reject H0, Conclude Sample 1 <= Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				426595							
44	Variance of Sample 2				461244							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	509		3711		1.081		0.231					
48	Conclusion with Alpha = 0.05											
49	Two variances appear to be equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 10:27:31 AM								
5	From File			Buffalo TWP UCL.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-44											
14	Sample 2 Data: BR-46											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				5223	917						
20	Number of Distinct Observations				3569	752						
21	Minimum				5710	5017						
22	Maximum				15498	8437						
23	Mean				9995	6260						
24	Median				9911	6195						
25	SD				1759	577.9						
26	SE of Mean				24.34	19.08						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			6138	63.708	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			4315.6	120.780	1.645	0.000					
35	Pooled SD 1637.499											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				3093174							
44	Variance of Sample 2				333953							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	5222		916		9.262		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 10:28:42 AM								
5	From File			Buffalo TWP UCL.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-45											
14	Sample 2 Data: BR-46											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				1399	917						
20	Number of Distinct Observations				1219	752						
21	Minimum				6376	5017						
22	Maximum				15390	8437						
23	Mean				11015	6260						
24	Median				11268	6195						
25	SD				1531	577.9						
26	SE of Mean				40.93	19.08						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			2314	89.945	1.646	0.000					
34	Welch-Satterthwaite (Unequal Variar			1932.6	105.293	1.646	0.000					
35	Pooled SD 1244.142											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				2343289							
44	Variance of Sample 2				333953							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	1398		916		7.017		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 10:29:32 AM								
5	From File			Buffalo TWP UCL.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-47											
14	Sample 2 Data: BR-46											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				3434	917						
20	Number of Distinct Observations				2071	752						
21	Minimum				5177	5017						
22	Maximum				10560	8437						
23	Mean				7258	6260						
24	Median				7252	6195						
25	SD				822.1	577.9						
26	SE of Mean				14.03	19.08						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			4349	34.574	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			2016.5	42.165	1.646	0.000					
35	Pooled SD 777.078											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				675865							
44	Variance of Sample 2				333953							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	3433		916		2.024		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 10:30:29 AM								
5	From File			Buffalo TWP UCL.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-48											
14	Sample 2 Data: BR-46											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				3152	917						
20	Number of Distinct Observations				2256	752						
21	Minimum				5208	5017						
22	Maximum				12338	8437						
23	Mean				7991	6260						
24	Median				7868	6195						
25	SD				1239	577.9						
26	SE of Mean				22.06	19.08						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			4067	41.035	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			3291.6	59.338	1.645	0.000					
35	Pooled SD 1124.254											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				1534298							
44	Variance of Sample 2				333953							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	3151		916		4.594		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 10:31:45 AM								
5	From File			Buffalo TWP UCL.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-49											
14	Sample 2 Data: BR-46											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				2928	917						
20	Number of Distinct Observations				2225	752						
21	Minimum				5523	5017						
22	Maximum				14314	8437						
23	Mean				9124	6260						
24	Median				8906	6195						
25	SD				1418	577.9						
26	SE of Mean				26.21	19.08						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			3843	59.629	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			3610.4	88.353	1.645	0.000					
35	Pooled SD 1269.369											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				2011042							
44	Variance of Sample 2				333953							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	2927		916		6.022		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												

	A	B	C	D	E	F	G	H	I	J	K	L
1	t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs											
2												
3	User Selected Options											
4	Date/Time of Computation			12/22/2014 10:32:38 AM								
5	From File			Buffalo TWP UCL.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Substantial Difference (S)			0.000								
9	Selected Null Hypothesis			Sample 1 Mean <= Sample 2 Mean (Form 1)								
10	Alternative Hypothesis			Sample 1 Mean > the Sample 2 Mean								
11												
12												
13	Sample 1 Data: BR-50											
14	Sample 2 Data: BR-46											
15												
16												
17	Raw Statistics											
18					Sample 1	Sample 2						
19	Number of Valid Observations				2293	917						
20	Number of Distinct Observations				1723	752						
21	Minimum				6066	5017						
22	Maximum				12933	8437						
23	Mean				9292	6260						
24	Median				9315	6195						
25	SD				1067	577.9						
26	SE of Mean				22.27	19.08						
27												
28	Sample 1 vs Sample 2 Two-Sample t-Test											
29												
30	H0: Mean of Sample 1 - Mean of Sample 2 <= 0											
31					t-Test	Critical						
32	Method			DF	Value	t (0.05)	P-Value					
33	Pooled (Equal Variance)			3208	81.442	1.645	0.000					
34	Welch-Satterthwaite (Unequal Variance)			2935.0	103.387	1.645	0.000					
35	Pooled SD 952.987											
36	Conclusion with Alpha = 0.050											
37	Student t (Pooled) Test: Reject H0, Conclude Sample 1 > Sample 2											
38	Welch-Satterthwaite Test: Reject H0, Conclude Sample 1 > Sample 2											
39												
40												
41	Test of Equality of Variances											
42												
43	Variance of Sample 1				1137676							
44	Variance of Sample 2				333953							
45												
46	Numerator DF		Denominator DF		F-Test Value		P-Value					
47	2292		916		3.407		0.000					
48	Conclusion with Alpha = 0.05											
49	Two variances are not equal											
50												