t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	77.26	22.4
Variance	1096.849388	50.85714286
Observations	50	50
Hypothesized	0	
df	54	
t Stat	11.45052447	
P(T<=t) one	2.28138E-16	
t Critical one	1.673564906	
P(T<=t) two	4.56275E-16	
t Critical two	2.004879288	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	77.26	63.12
Variance	1096.849388	287.3731
Observations	50	50
Hypothesized	0	
df	73	
t Stat	2.687394769	
P(T<=t) one	0.004456578	
t Critical one	1.665996224	
P(T<=t) two	0.008913157	
t Critical two	1.992997126	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	22.4	63.12
Variance	50.85714286	287.3731
Observations	50	50
Hypothesized	0	
df	66	
t Stat	-15.6562078	
P(T<=t) one	3.29639E-24	
t Critical one	1.668270514	
P(T<=t) two	6.59278E-24	
t Critical two	1.996564419	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	158	100.32
Variance	2695.795918	1263.201633
Observations	50	50
Hypothesized	0	
df	87	
t Stat	6.482128518	
P(T<=t) one	2.6286E-09	
t Critical one	1.662557349	
P(T<=t) two	5.2572E-09	
t Critical two	1.987608282	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	158	185
Variance	2695.795918	2037.918
Observations	50	50
Hypothesized	0	
df	96	
t Stat	-2.77490261	
P(T<=t) one	0.00331858	
t Critical one	1.66088144	
P(T<=t) two	0.006637161	
t Critical two	1.984984312	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	100.32	185
Variance	1263.201633	2037.918
Observations	50	50
Hypothesized	0	
df	93	
t Stat	-10.4216191	
P(T<=t) one	1.32015E-17	
t Critical one	1.661403674	
P(T<=t) two	2.64029E-17	
t Critical two	1.985801814	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	221.64	318.04
Variance	2835.949388	9759.263673
Observations	50	50
Hypothesized	0	
df	75	
t Stat	-6.07378307	
P(T<=t) one	2.38266E-08	
t Critical one	1.665425373	
P(T<=t) two	4.76532E-08	
t Critical two	1.992102154	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	221.64	243.84
Variance	2835.949388	3049.933
Observations	50	50
Hypothesized	0	
df	98	
t Stat	-2.04612511	
P(T<=t) one	0.021711241	
t Critical one	1.660551217	
P(T<=t) two	0.043422483	
t Critical two	1.984467455	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	318.04	243.84
Variance	9759.263673	3049.933
Observations	50	50
Hypothesized	0	
df	77	
t Stat	4.635834887	
P(T<=t) one	7.12967E-06	
t Critical one	1.664884537	
P(T<=t) two	1.42593E-05	
t Critical two	1.991254395	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	336.56	281.755102
Variance	7240.251429	9910.938776
Observations	50	49
Hypothesized	0	
df	94	
t Stat	2.941788243	
P(T<=t) one	0.002054474	
t Critical one	1.661225855	
P(T<=t) two	0.004108948	
t Critical two	1.985523442	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	336.56	532.42
Variance	7240.251429	23211.15
Observations	50	50
Hypothesized	0	
df	77	
t Stat	-7.93646554	
P(T<=t) one	6.73978E-12	
t Critical one	1.664884537	
P(T<=t) two	1.34796E-11	
t Critical two	1.991254395	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	281.755102	532.42
Variance	9910.938776	23211.15
Observations	49	50
Hypothesized	0	
df	85	
t Stat	-9.70951829	
P(T<=t) one	9.90455E-16	
t Critical one	1.6629785	
P(T<=t) two	1.98091E-15	
t Critical two	1.988267907	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	496.2	303
Variance	22509.83673	8160.857143
Observations	50	50
Hypothesized	0	
df	80	
t Stat	7.800641579	
P(T<=t) one	9.92819E-12	
t Critical one	1.664124579	
P(T<=t) two	1.98564E-11	
t Critical two	1.990063421	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	496.2	368.32
Variance	22509.83673	5811.365
Observations	50	50
Hypothesized	0	
df	73	
t Stat	5.373184976	
P(T<=t) one	4.41952E-07	
t Critical one	1.665996224	
P(T<=t) two	8.83904E-07	
t Critical two	1.992997126	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	303	368.32
Variance	8160.857143	5811.365
Observations	50	50
Hypothesized	0	
df	95	
t Stat	-3.90749507	
P(T<=t) one	8.73403E-05	
t Critical one	1.661051817	
P(T<=t) two	0.000174681	
t Critical two	1.985251004	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	503.82	605.9
Variance	10245.45673	19425.19388
Observations	50	50
Hypothesized	0	
df	89	
t Stat	-4.19046414	
P(T<=t) one	3.27265E-05	
t Critical one	1.662155326	
P(T<=t) two	6.5453E-05	
t Critical two	1.9869787	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	503.82	341.02
Variance	10245.45673	6702.673
Observations	50	50
Hypothesized	0	
df	94	
t Stat	8.842570113	
P(T<=t) one	2.65368E-14	
t Critical one	1.661225855	
P(T<=t) two	5.30736E-14	
t Critical two	1.985523442	

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	605.9	341.02
Variance	19425.19388	6702.673
Observations	50	50
Hypothesized	0	
df	79	
t Stat	11.58729842	
P(T<=t) one	5.15237E-19	
t Critical one	1.664371409	
P(T<=t) two	1.03047E-18	
t Critical two	1.99045021	

Scenario 1	0 vs 1	0 vs 2	1 vs 2
01 Call	4.56275E-16	0.008913157	6.59278E-24
10 Call	5.2572E-09	0.006637161	2.64029E-17
20 Call	4.76532E-08	0.043422483	1.42593E-05
30 Call	0.004108948	1.34796E-11	1.98091E-15
40 Call	1.98564E-11	8.83904E-07	0.000174681
50 Call	6.5453E-05	5.30736E-14	1.03047E-18