

Random Forest Metrics

F1-Score: 0.544378698225

Accuracy: 0.536144578313

	precision	recall	f1-score	support
0	0.50	0.56	0.53	230
1	0.58	0.51	0.54	268
avg / total	0.54	0.54	0.54	498

Decision Tree

F1-Score: 0.55303030303

Accuracy: 0.526104417671

	precision	recall	f1-score	support
0	0.49	0.50	0.50	230
1	0.56	0.54	0.55	268
avg / total	0.53	0.53	0.53	498

Multinomial Logistic Regression Results

F1-Score: 0.564273789649

Accuracy: 0.475903614458

	precision	recall	f1-score	support
0	0.41	0.30	0.34	230
1	0.51	0.63	0.56	268
avg / total	0.46	0.48	0.46	498

Word tokens that affect the 'High' and 'Low' of the DJIA Stock prices

	High	Low	High_ratio
token			
federation	0.015056	0.001441	10.449184
donetsk	0.028858	0.002882	10.013802
repeal	0.012547	0.001441	8.707654
nose	0.011292	0.001441	7.836888
snowdens	0.011292	0.001441	7.836888
aipac	0.011292	0.001441	7.836888
sudden	0.011292	0.001441	7.836888
ray	0.011292	0.001441	7.836888
thriving	0.011292	0.001441	7.836888
nokia	0.011292	0.001441	7.836888

	High	Low	High_ratio
token			
stars	0.001255	0.020173	0.062198
hitchens	0.001255	0.015850	0.079160
alarmed	0.001255	0.012968	0.096752
programmes	0.001255	0.011527	0.108846
invades	0.001255	0.011527	0.108846
graph	0.001255	0.010086	0.124395
burkina	0.001255	0.010086	0.124395
sustained	0.001255	0.010086	0.124395
hardest	0.001255	0.010086	0.124395
prohibits	0.001255	0.010086	0.124395