

Fully Connected Neural Network	Training	
	Accuracy	Mean Squared Error
Audio Features	64.29%	0.3571
	61.09%	0.3891
	61.28%	0.3872
	61.28%	0.3872
	62.78%	0.3722
	61.09%	0.3891
	61.65%	0.3835
	62.22%	0.3778
	62.03%	0.3797
	61.65%	0.3835
Audio Features + Social Media Metrics	81.77%	0.1823
	77.44%	0.2256
	85.34%	0.1466
	81.02%	0.1898
	81.20%	0.1880
	81.58%	0.1842
	81.77%	0.1823
	80.08%	0.1992
	80.83%	0.1917
	81.58%	0.1842

Average	Training	
	Accuracy	Mean Squared Error
Audio Features	61.94%	0.3806
Audio Features + Social Media Metrics	81.26%	0.1874

Type	Machine Learning	Accuracy
Audio Features	Random Forest	58.65%
	Gradient Boosting Machine	57.89%
	Support Vector Machine	61.65%
Audio Features + Social Media Metrics	Random Forest	81.20%
	Gradient Boosting Machine	80.45%
	Support Vector Machine	77.44%

	Testing		
Mean Absolute Error	Accuracy	Mean Squared Error	Mean Absolute Error
0.3571	63.16%	0.3684	0.3684
0.3891	64.66%	0.3534	0.3534
0.3872	70.68%	0.2932	0.2932
0.3872	66.17%	0.3383	0.3383
0.3722	66.17%	0.3383	0.3383
0.3891	66.92%	0.3308	0.3308
0.3835	70.68%	0.2932	0.2932
0.3778	66.92%	0.3308	0.3308
0.3797	63.91%	0.3609	0.3609
0.3835	66.17%	0.3383	0.3383
0.1823	77.44%	0.2256	0.2256
0.2256	78.20%	0.2180	0.2180
0.1466	80.45%	0.1955	0.1955
0.1898	76.69%	0.2331	0.2331
0.1880	78.95%	0.2105	0.2105
0.1842	78.95%	0.2105	0.2105
0.1823	78.20%	0.2180	0.2180
0.1992	76.69%	0.2331	0.2331
0.1917	75.94%	0.2406	0.2406
0.1842	76.69%	0.2331	0.2331

	Testing		
Mean Absolute Error	Accuracy	Mean Squared Error	Mean Absolute Error
0.3806	66.54%	0.3346	0.3346
0.1874	77.82%	0.2218	0.2218

Mean Squared Error	Mean Absolute Error
0.4135	0.4135
0.4211	0.4211
0.3835	0.3835
0.1880	0.1880
0.1955	0.1955
0.2256	0.2256