

## Model metrics

The best performing model performs at 64% testing accuracy. Below is its confusion matrix and other metrics.

	Country	Hip-hop	Metal	Pop	Rock
Country	3365	44	162	536	577
Hip-hop	163	3763	179	411	178
Metal	182	107	3588	195	532
Pop	914	357	355	2032	916
Rock	965	135	770	908	1793

	precision	recall	f1-score	support
0	0.60	0.72	0.66	4684
1	0.85	0.80	0.83	4694
2	0.71	0.78	0.74	4604
3	0.50	0.44	0.47	4574
4	0.45	0.39	0.42	4571
accuracy			0.63	23127
macro avg	0.62	0.63	0.62	23127
weighted avg	0.62	0.63	0.62	23127

As the above results demonstrate, Hip-Hop and Metal are the two most distinct genres. Pop and Rock are fuzzier and harder to classify correctly. Country is somewhere in between.