



# 1.3 相似性分析

	danceability	energy	valence	tempo	loudness	mode	key	acousticness	instrumentalness	liveness	speechiness	explicit	duration_ms	popularity	year
danceability	1.0000	0.1427	0.5633	-0.0818	0.1983	-0.0325	0.0145	-0.1738	-0.2136	-0.1302	0.0798	0.0540	-0.0940	0.1831	0.1689
energy	0.1427	1.0000	0.3578	0.2449	0.7854	-0.0356	0.0300	-0.7573	-0.1983	0.1558	0.1382	0.1513	0.0330	0.3898	0.4712
valence	0.5633	0.3578	1.0000	0.1477	0.2661	0.0199	0.0158	-0.2209	-0.1864	-0.0109	0.0338	-0.0461	-0.1830	0.0207	-0.0274
tempo	-0.0818	0.2449	0.1477	1.0000	0.1915	0.0148	0.0032	-0.2021	-0.0714	0.0274	0.0527	0.0162	-0.0203	0.0942	0.1133
loudness	0.1983	0.7854	0.2661	0.1915	1.0000	-0.0095	0.0193	-0.5948	-0.3606	0.0720	0.0493	0.1600	-0.0240	0.4203	0.4843
mode	-0.0325	-0.0356	0.0199	0.0148	-0.0095	1.0000	-0.1134	0.0391	-0.0580	0.0141	-0.0452	-0.0494	-0.0834	-0.0363	-0.0396
key	0.0145	0.0300	0.0158	0.0032	0.0193	-0.1134	1.0000	-0.0288	-0.0109	0.0003	0.0244	0.0091	-0.0045	0.0150	0.0207
acousticness	-0.1738	-0.7573	-0.2209	-0.2021	-0.5948	0.0391	-0.0288	1.0000	0.2180	-0.0412	-0.0280	-0.1546	-0.1049	-0.4775	-0.5578
instrumentalness	-0.2136	-0.1983	-0.1864	-0.0714	-0.3606	-0.0580	-0.0109	0.2180	1.0000	-0.0368	-0.0632	-0.0511	0.1153	-0.2161	-0.1987
liveness	-0.1302	0.1558	-0.0109	0.0274	0.0720	0.0141	0.0003	-0.0412	-0.0368	1.0000	0.2045	0.0268	0.0614	-0.0643	-0.0297
speechiness	0.0798	0.1382	0.0338	0.0527	0.0493	-0.0452	0.0244	-0.0280	-0.0632	0.2045	1.0000	0.1944	-0.0181	-0.0069	0.0435
explicit	0.0540	0.1513	-0.0461	0.0162	0.1600	-0.0494	0.0091	-0.1546	-0.0511	0.0268	0.1944	1.0000	-0.0005	0.1830	0.2323
duration_ms	-0.0940	0.0330	-0.1830	-0.0203	-0.0240	-0.0834	-0.0045	-0.1049	0.1153	0.0614	-0.0181	-0.0005	1.0000	0.0572	0.0733
popularity	0.1831	0.3898	0.0207	0.0942	0.4203	-0.0363	0.0150	-0.4775	-0.2161	-0.0643	-0.0069	0.1830	0.0572	1.0000	0.7754
year	0.1689	0.4712	-0.0274	0.1133	0.4843	-0.0396	0.0207	-0.5578	-0.1987	-0.0297	0.0435	0.2323	0.0733	0.7754	1.0000

Figure 3: Correlation coefficient matrix of music features

