

Selected Variables

Table 1: New Spotify data variables

variable	class	range	description
norm.loudness	double	0-1	a min-max normalized spotify_songs\$loudness
norm.tempo	double	0-1	a min-max normalized spotify_songs\$tempo
intensity	double	0-1	the average of energy, normalized tempo, and 1- normalized loudness, where higher scores imply higher intensity
minutes	double	0.07-8.6 minutes	The duration of song in minutes, converted from milliseconds (duration_ms)
popularity	character	high, medium, low	Song popularity characterized into three tertiles. 1 represents low 0-33, 2 represents medium 34-66, and 2 represents high 64-100 ranges from the numeric track_popularity variable.

Table 1 describes 5 new variables, norm.loudness, norm.tempo, intensity, duration_mins, popularity created from the Spotify dataset. The table provides the class, range, and description of each new variable.