One Million Songs SQL Project

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Data source:

* Million song dataset
* <http://labrosa.ee.columbia.edu/millionsong/>
* <http://www.dtic.upf.edu/~ocelma/MusicRecommendationDataset/>

Table sketch

* LISTENER (Last.fm + EchoNest data, hopefully combined)
* SONG
* LISTENS\_TO (listener, song, play count)
* ARTIST
* GENRE
* TAGS (foreign key to song, tag word, maybe foreign key to tagging listener)
* FAVORITE\_SONGS (Associated with user, defined by user input only)

Potential Features (From most to least ambitious)

* Song recommendations based on input
* Plays all songs with same key & similar tempo simultaneously
* Songs by year (Loudness, Genre\*, Tracks, etc.)
  + \*Perhaps also Yahoo Ratings to analyze genre ratings by year
* Song/Genre/Artist popularity by demographics
* Percentages of genre by year