

ML Mix Lab

by Brett Ashley McCoubrey



Beyond BPM



The Problem

Searching for music to mix
together takes time

Creative blocks happen



The Solution

A black and white photograph of a large crowd at a concert, looking up at a stage with bright spotlights and smoke. The image is dark, with the stage lights creating a strong contrast and illuminating the smoke and the silhouettes of the audience members in the foreground.

Enter Machine Learning...

Use years of successful
mixing and sampling to
train a model and find
great song pairs

In the Mix



WhoSampled

Training Data



Spotify

Song Features



Selenium

Data Collection



Collaborative
Filtering

Modeling

The model:

Collaborative Filtering

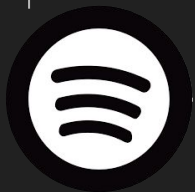
Song ID	Song 1	Song 2	Song 3	Song 4
Song 1	1	0	1	2
Song 2	0	1	0	0
Song 3	1	0	1	0
Song 4	2	0	0	1



Results

Next Steps

Match Spotify Data



Model Tuning



Create Mixes



Contact

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Thank You!