



My name is Paul Lindquist

I've DJ'ed electronic dance music for 13 years

I ran a 72,000-subscriber DJ podcast for 6

years

I've listened to electronic music for 25 years

Business Problem

BUSINESS PROBLEM

For years, electronic music has been labeled by

sub-genre

It's become antiquated

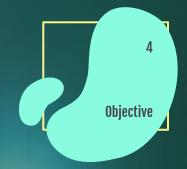
Minimal assistance for live DJ'ing

Artist playlists are predetermined and limited in scope

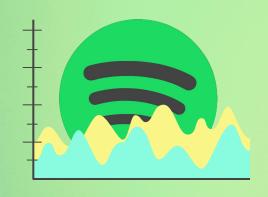
OBJECTIVE

- Inspire the next song
- Use Spotify to build a recommendation system for DJ'ing electronic music
 - Live performance, tracklist preparation
- Offer recommendation options
 - Same sub-genre or across all sub-genres

I served as stakeholder for this project
I represented the DJ community and avid
electronic
music fans alike



WHY SPOTIFY?



172 Million

Subscribers

381 Million

Monthly active users

70 Million

Songs

3.2 Million

Podcast titles

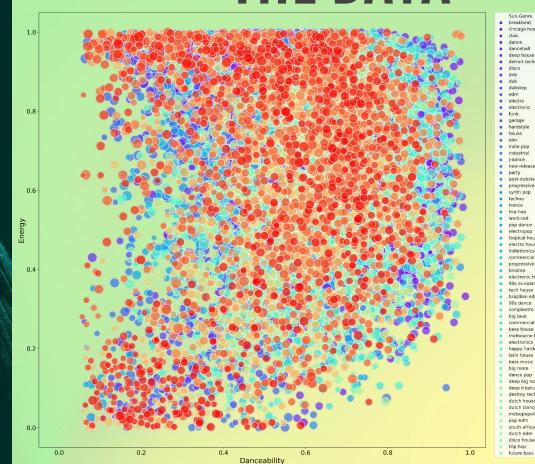
184

Countries and territories

ALGORITHM-BASED AUDIO ANALYSIS



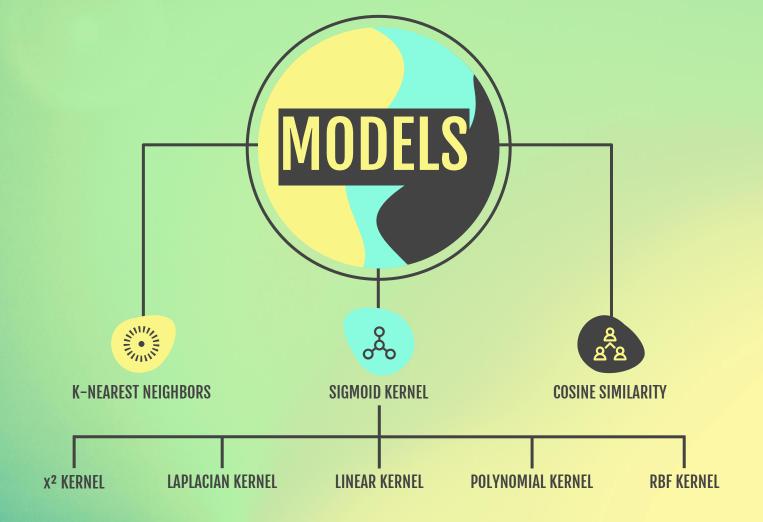
THE DATA



Sub-Genre aussietronica breakbeat deep euro house chicago house indie electropop uplifting trance club dance melodic dubstep dancehall dark clubbing deep house intelligent dance music detroit techno g-house disco russian electronic • dnb deep pop edm • dub tribal house dubstep melodic techno edm electroclash electro lo-fi house electronic dark disco funk latintronica garage classic dubstep hardstyle ambient house house deep minimal techno idm progressive trance house indie pop scottish electronic industrial french techno i-dance french tech house new release fidget house party latin tech house post-dubstep nz electronic progressive house dutch tech house synth pop acid techno techno trance mexicano trance experimental house trip-hop tekno work-out ambient techno pop dance deep idm electropop jackin' house tropical house russian techno electro house hard trance indietronica berlin minimal techno commercial jersey club progressive electro house scottish techno brostep psydub electronic trap minimal dnb 90s eurodance hard minimal techno tech house tech trance brazilian edm experimental techno 90s dance neurostep brazilian dnb complextro big beat acid trance commercial house dark psytrance bass house boston electronic melbourne bounce iapanese progressive house electronica modular techno happy hardcore deep progressive house latin house australian techno bass music covertrance bia room deep vocal house dance pop experimental dubstep deep big room re:techno deep tropical house eletronica underground brasileira destroy techno cosmic uplifting trance dutch house deep hardtechno dutch trance deep neo-synthoop metropopolis pop edm south african house dutch edm 100

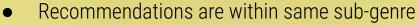
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disco house trip hop









Recommendation #1 is so similar DJs have made mashups

Reference song released in 2011
 The recommendations in 2012, 2008 & 2011

Recommended song #3 from same artist in same year





NEXT STEPS

- Increase data through Spotify API calls
- Build new dataset using electronic music stores (Beatport, Traxsource, Juno Download, etc.)
- Develop mobile app



