

Research at Spotify



ISMIR 2022 | 2022-12-08

Research Areas



Algorithmic
Responsibility



Audio Intelligence



Evaluation



Human-Computer
Interaction



Language Technologies



Machine Learning



Music Creation



Search &
Recommendations



User Modeling

Publication - Spotify Research

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SEPTEMBER 2022 | RECSYS

Challenges in Translating Research to Practice for Evaluating Fairness & Bias in Recommendation Systems

Lex Beattie, Dan Taber, Henriette Cramer

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SEPTEMBER 2022 | RECSYS

Identifying New Podcasts with High General Appeal Using a Pure Exploration Infinitely-Armed Bandit Strategy

Maryam Aziz, Jesse Anderton, Kevin Jamieson, Alice Wang, Hugues Bouchard, Javed Aslam

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SEPTEMBER 2022 | INTERSPEECH

Unsupervised Speaker Diarization that is Agnostic to Language Overlap Aware and Free of Tuning

M Iftekhar Tanveer, Diego Casabuena, Jussi Karlgren, Rosie Jones

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SEPTEMBER 2022 | INTERSPEECH

Exploring audio-based stylistic variation in podcasts

Katariina Martikainen, Jussi Karlgren, Khiat Truong

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The Million Playlist Dataset: Learning from Music Playlists

Oct 05, 2020

Dataset for music recommendation and automatic music playlist continuation. Contains 1,000,000 playlists, including playlist- and track-level metadata.



Spotify Podcasts Dataset: 100,000 episodes with text and audio

Apr 15, 2020

Dataset for podcast research. Contains 100,000 episodes from thousands of different shows on Spotify, including audio files and speech transcriptions.



WSDM Cup: The Music Streaming Sessions Dataset

Nov 15, 2018

Dataset for researching how to model user listening and interaction behavior in music streaming. Also includes data for music information retrieval and session-based sequential recommendations.



OpenMic: Audio and Crowd-Sourced Instrument Labels

Sep 23, 2018

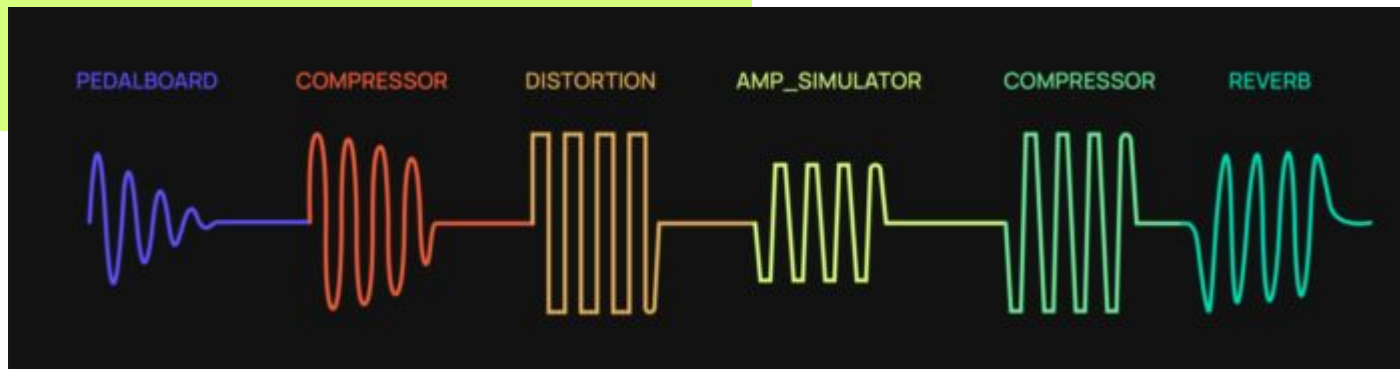
Dataset for researching multi-instrument recognition in polyphonic recordings, a fundamental problem in music information retrieval.





PEDALBOARD

github.com/spotify/pedalboard



BASIC
PITCH



github.com/spotify/basic-pitch





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Q&A
