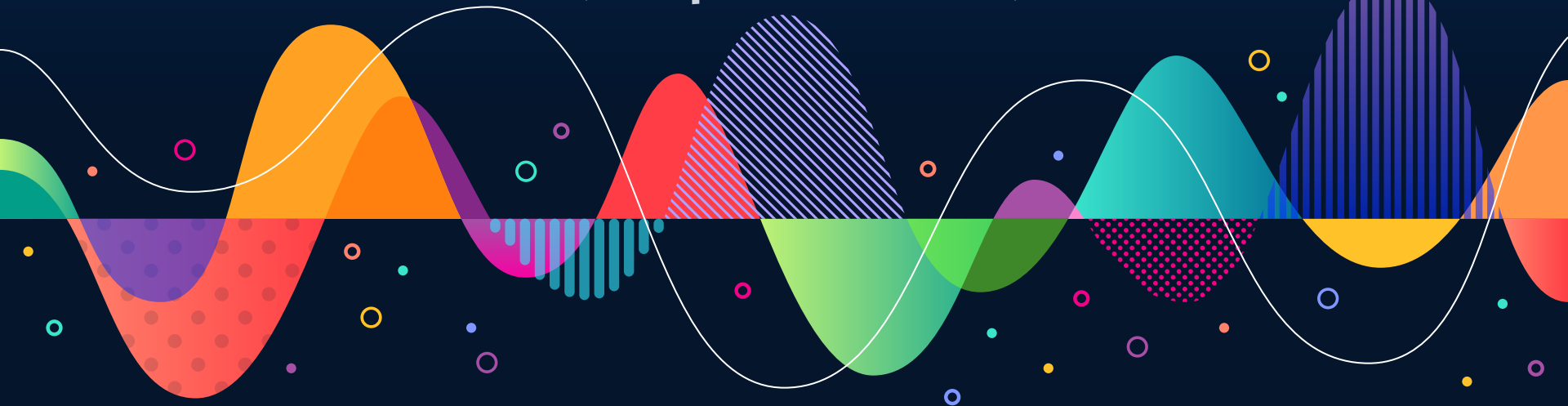


Music Genre Classification

Hydra Analytics

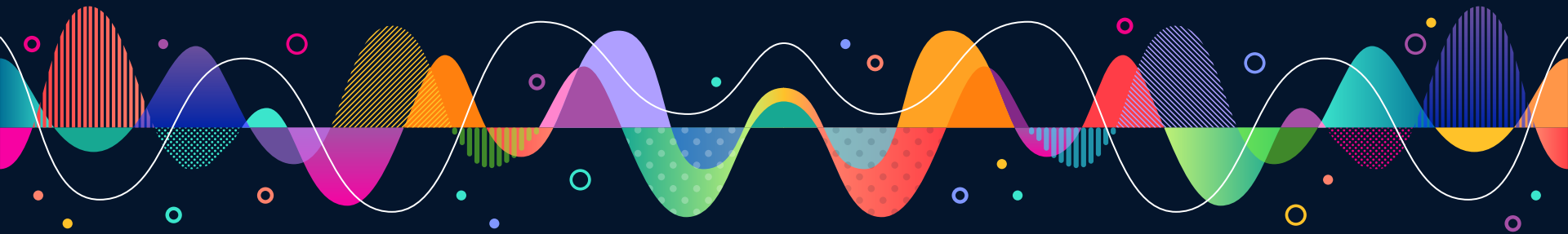
Andrew Whitman, Stephen William, Nicholas Indorf



Problem



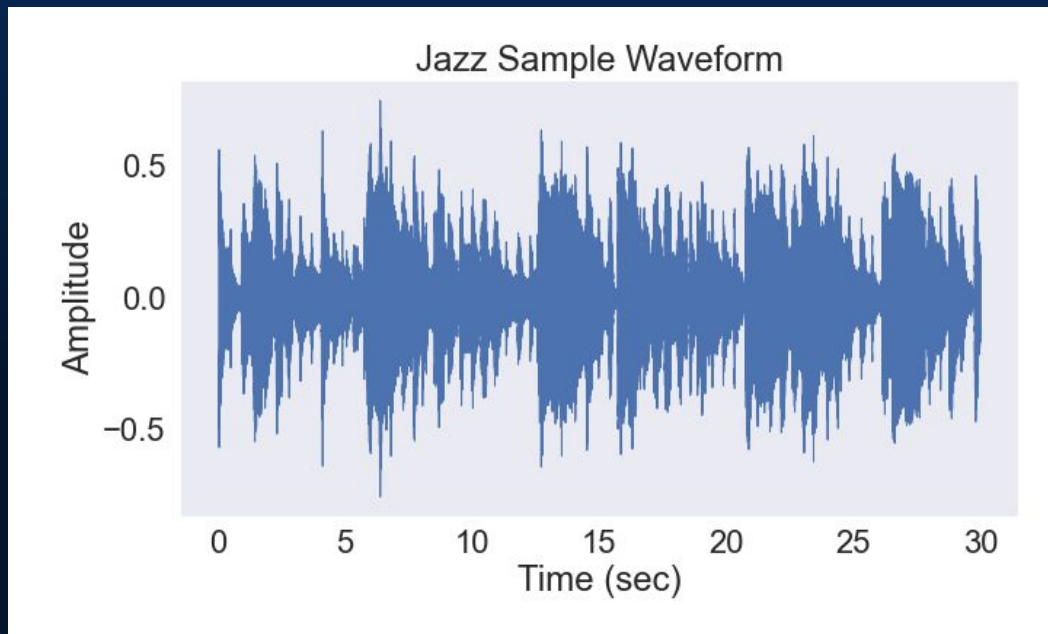
- ▷ Genre Identification
- ▷ Playlist Recommendation



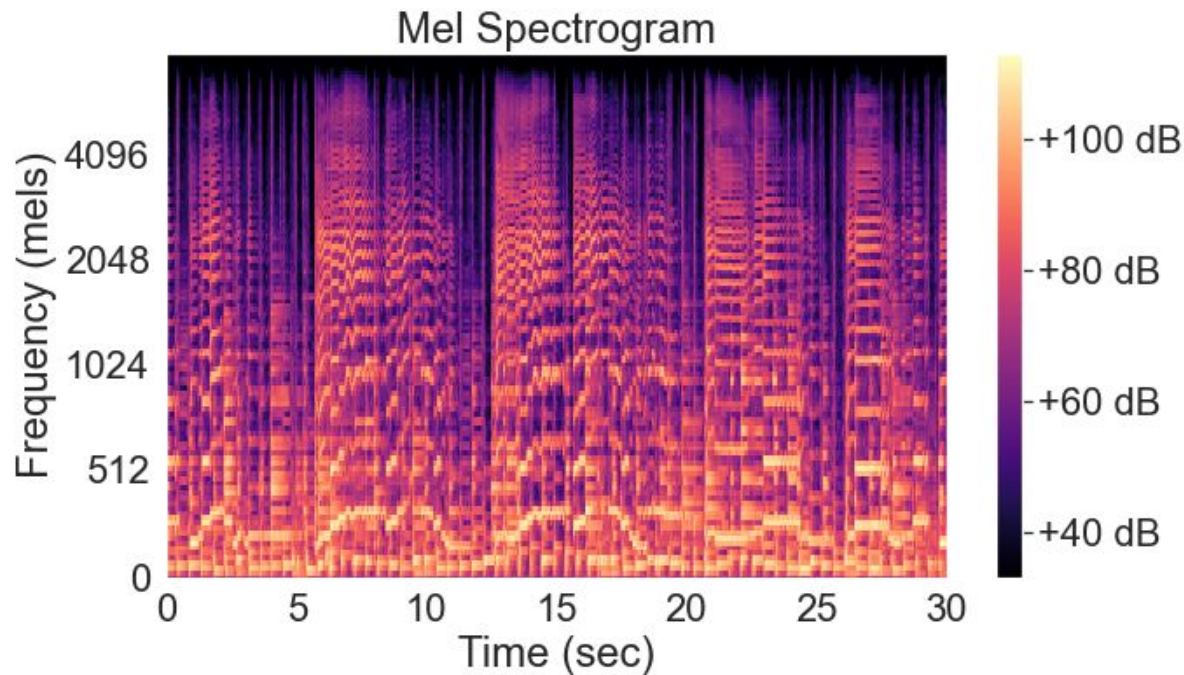
Data Understanding



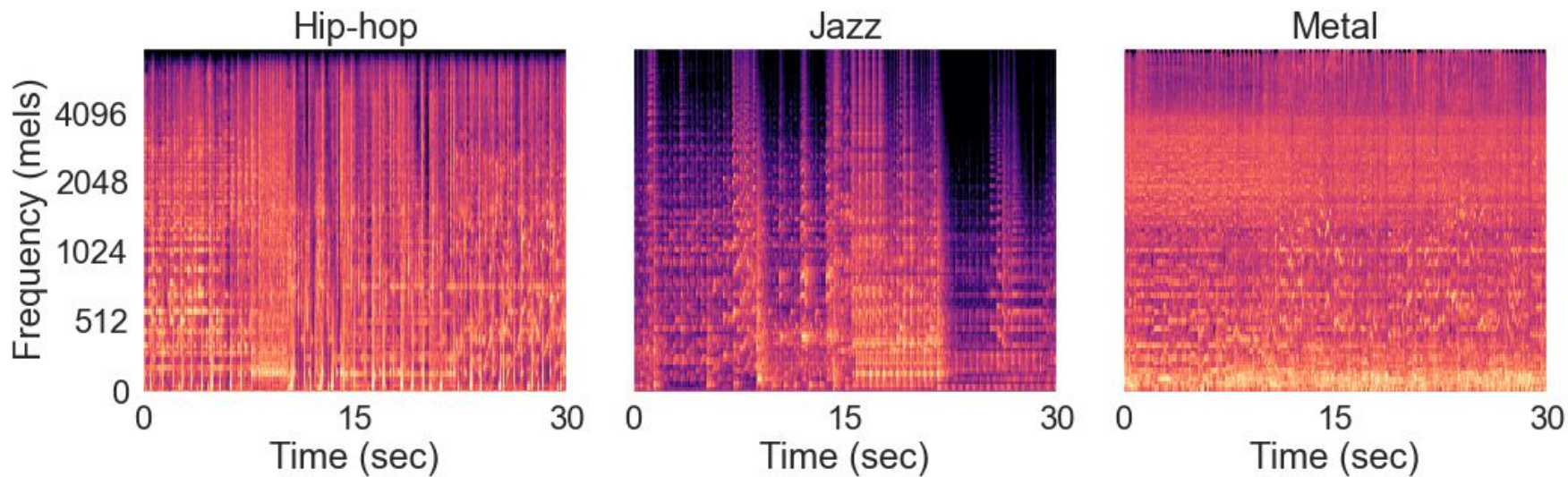
- ▷ ~30 second samples
- ▷ 100 each:
 - ▶ Blues
 - ▶ Classical
 - ▶ Country
 - ▶ Disco
 - ▶ Hip-hop
 - ▶ Jazz
 - ▶ Metal
 - ▶ Pop
 - ▶ Reggae
 - ▶ Rock



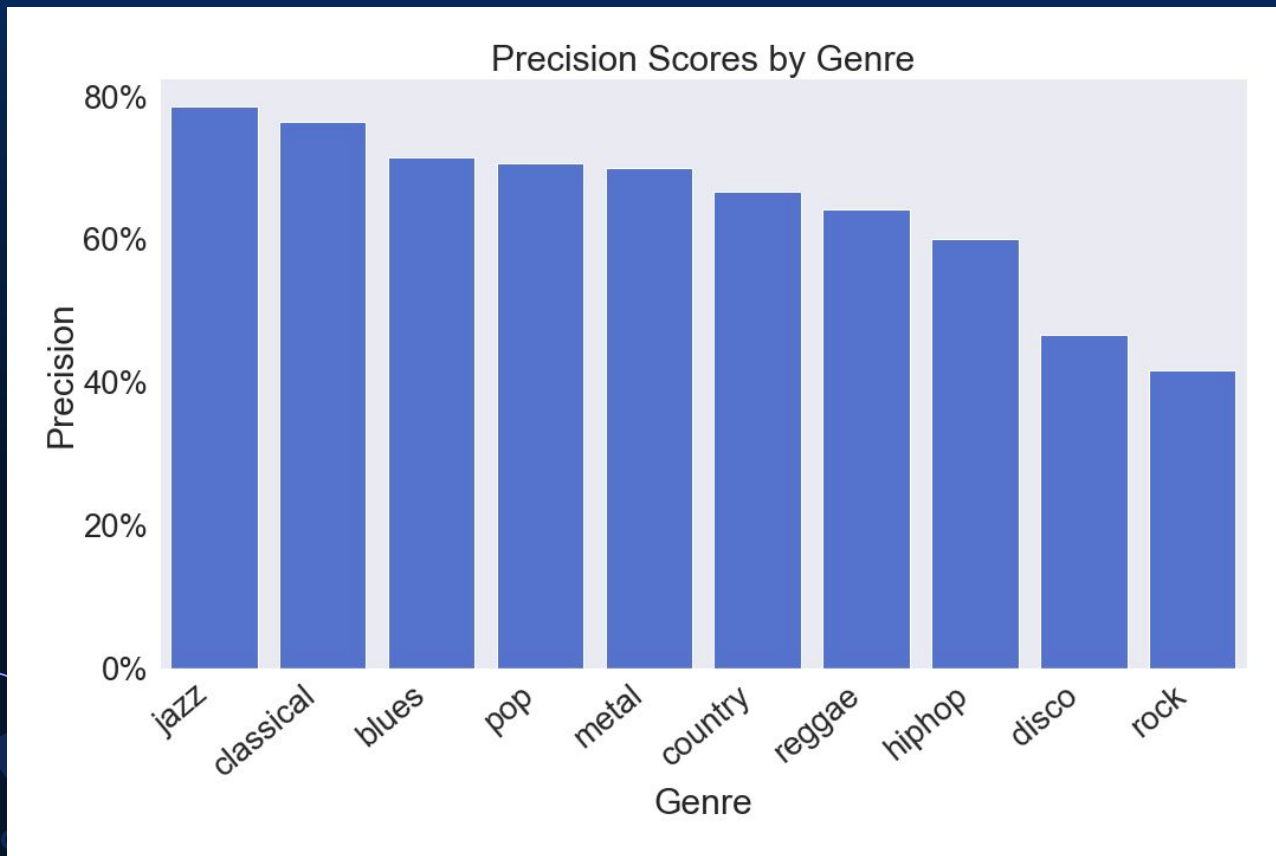
Data Preparation



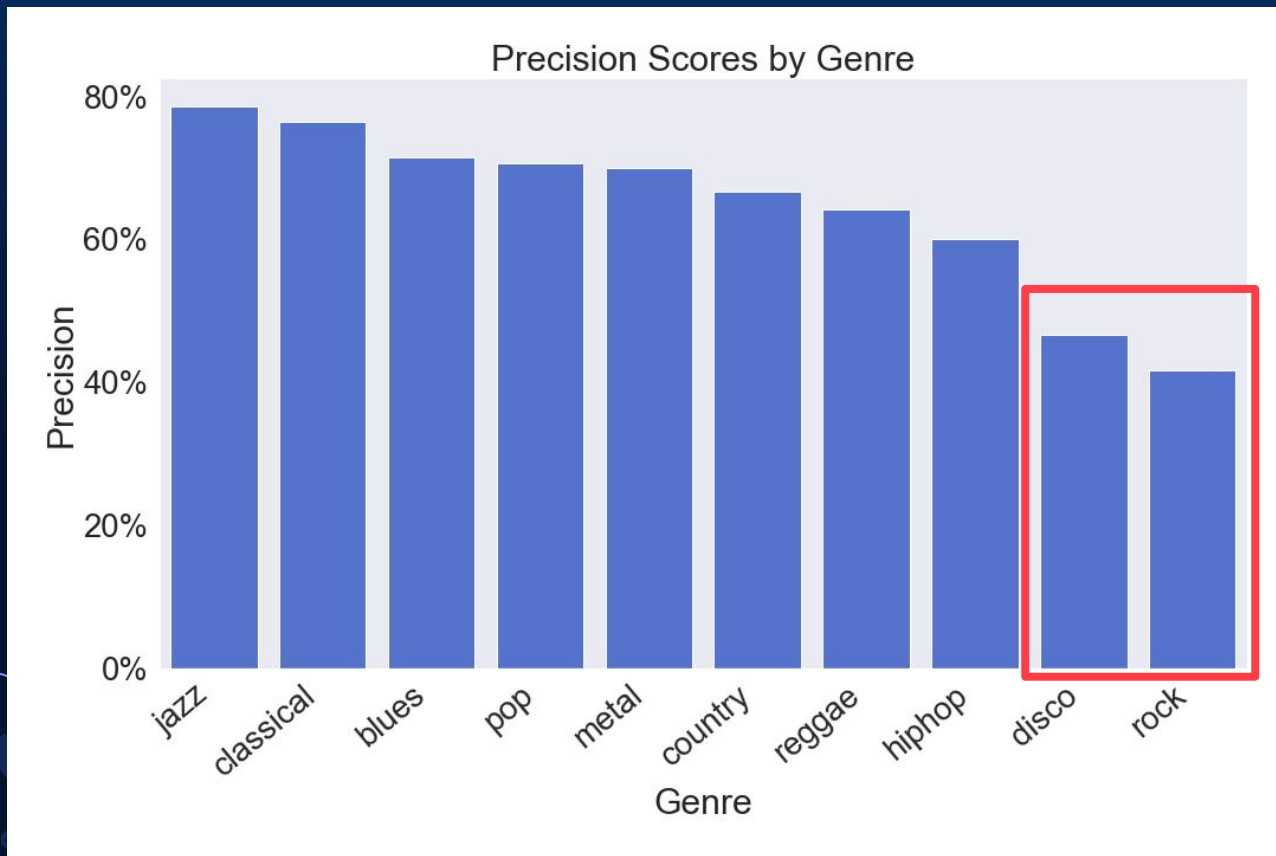
Data Preparation



Results



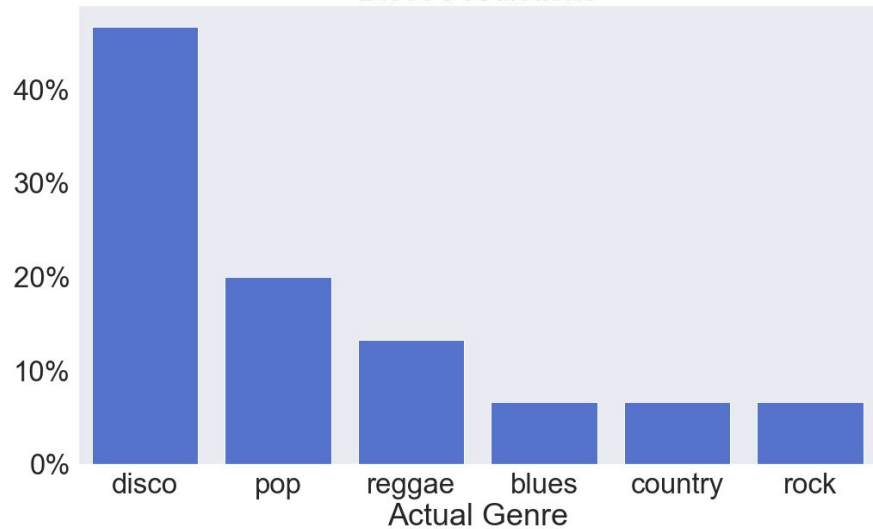
Results



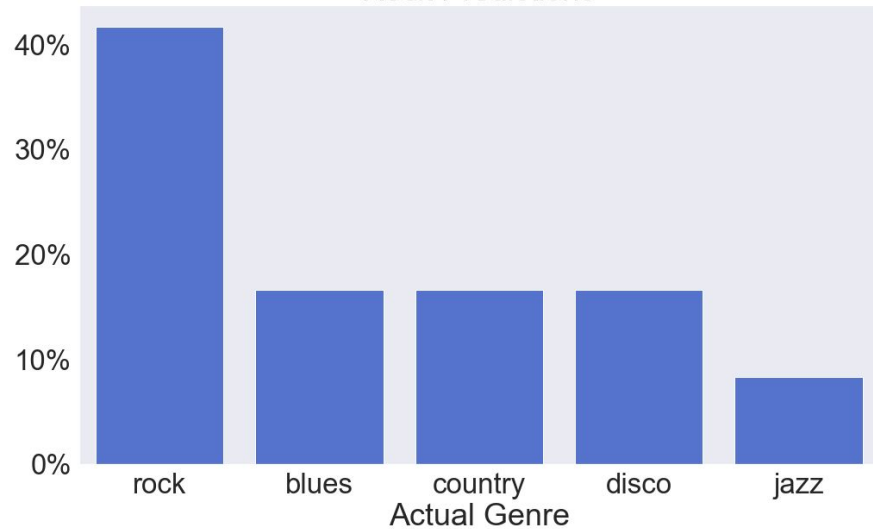
Results



Disco Predictions



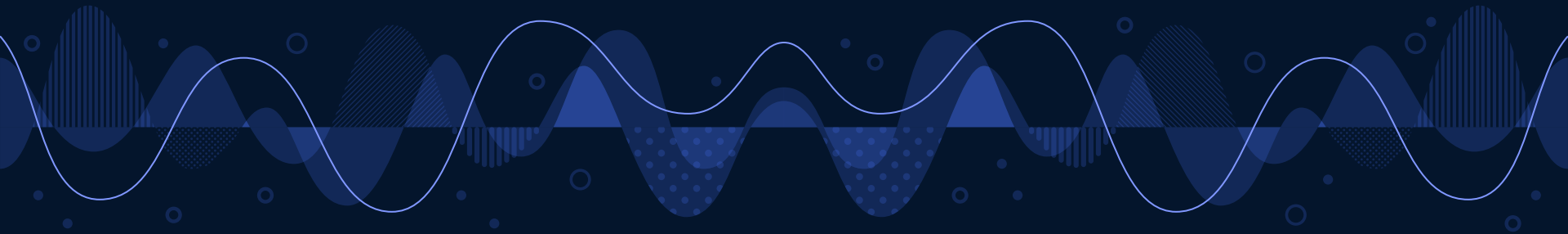
Rock Predictions



Recommendations



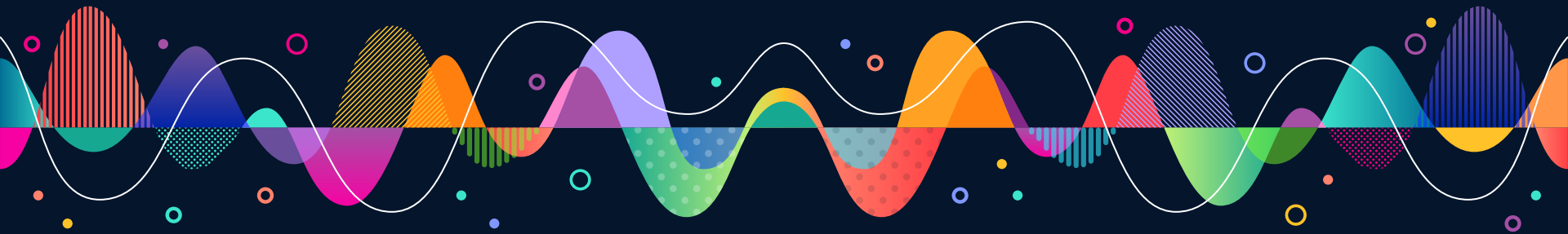
- ▷ Label songs
- ▷ Use labels for playlist generation



Future Directions



- ▶ Train on larger musical corpus
- ▶ High-fidelity recordings
- ▶ Incorporate other music features
- ▶ Multi-input Network



Thank you!

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<https://github.com/JyveOO/MIR>

