1 Motivation

- Mixing multitrack music is multidimensional and subjective
- Severe lack of data for research on best practices
  - Copyright
  - Reluctance to share unpolished work
  - Limited access to parameter settings
- Many studies resort to lab-based mix creation

2 Dataset

Mix creation

- 180 mixes from sound engineering students in four different countries
- Ecological relevance: preferred environment/tools
- Access to
  - High resolution mixes
  - Raw tracks
  - DAW session files (parameter settings)
  - Processed stems
  - Metadata including instrument labels

Perceptual evaluation

- 5000 mix evaluations from five different countries
- Hedonic preference ratings and comments
- Detailed annotation of comments
- Subject demographics and surveys

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<th>#songs</th>
<th>#mixes</th>
<th>#evaluations</th>
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3 Applications

- Audio feature analysis (De Man 2014)
- Impact of features on preference (De Man 2015)
- Comment analysis (De Man 2015)
- Subgrouping practices (Ronan 2015)
- Use and perception of reverb (De Man 2017)
- Impact of expertise on agreement of statements
- Peer reviews relevant to educators and students
  - ...

4 Contribute

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- Donate multitrack audio
- Create mixes
- Participate in listening tests