Automatic Music Transcription

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Abstract

Automatic music transcription (AMT) remains an important but challenging task in music information retrieval, hampered by limited MIDI datasets and the poor quality of existing models. This research aims to improve transcription accuracy by using specialized models to extract distinct musical features such as chord progressions, tonality, rhythm, and instrument types. To address the scarcity of MIDI datasets, we propose the use of synthetic data to augment training resources. This approach offers a new way to potentially enrich AMT models and advance the field.