

Mathilde ABRASSART

ircam
Centre
Pompidou

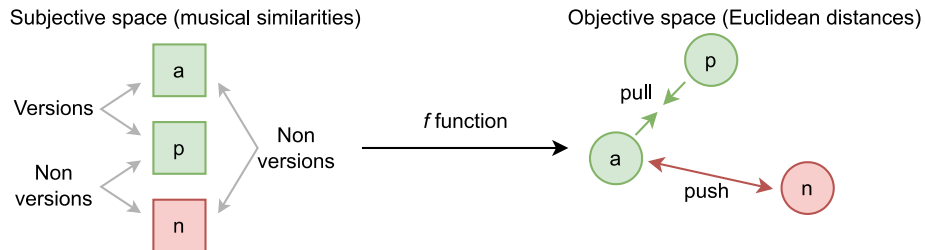


Version identification using melody,
harmony, rhythm and lyrics

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Version identification using melody, harmony, rhythm and lyrics

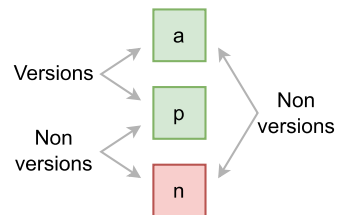


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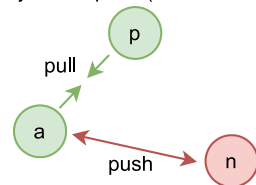


Version identification using melody, harmony, rhythm and lyrics

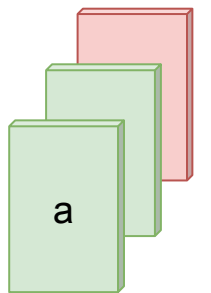
Subjective space (musical similarities)



Objective space (Euclidean distances)

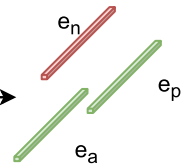
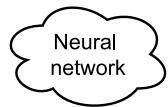


f function



Features

(musical representations)

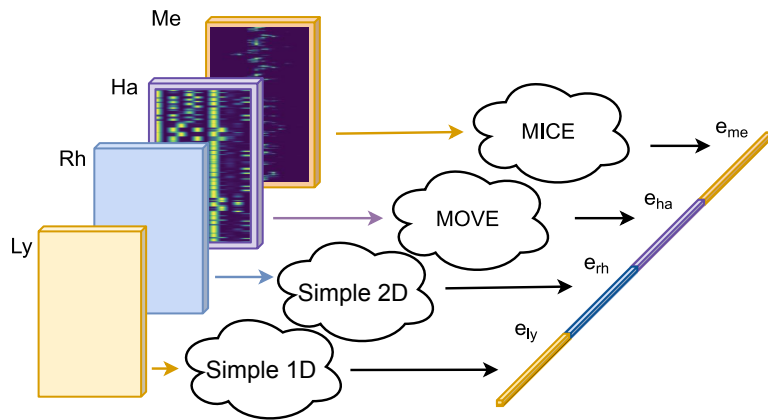
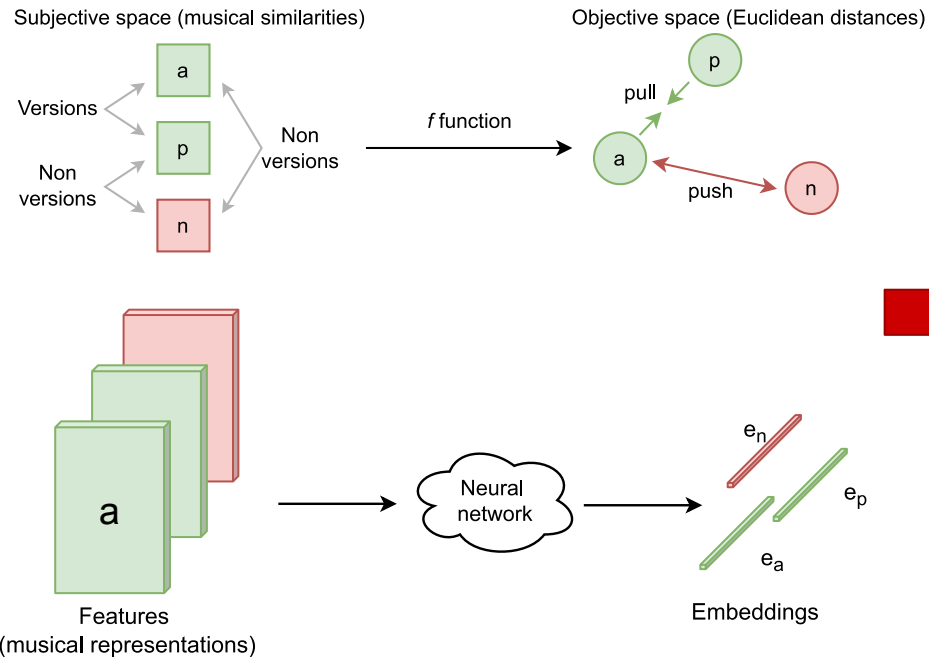


Embeddings

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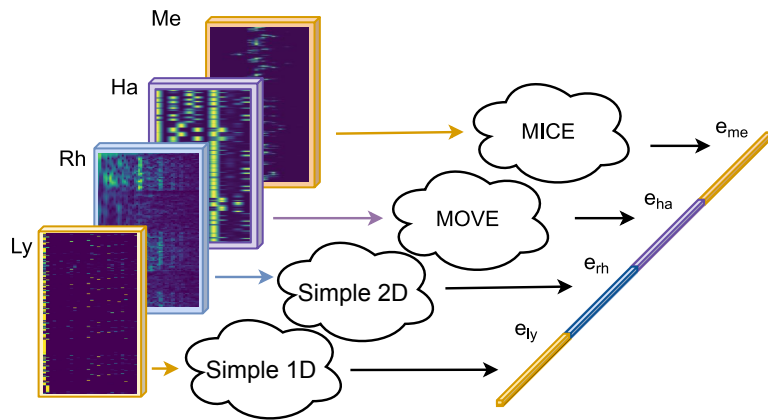
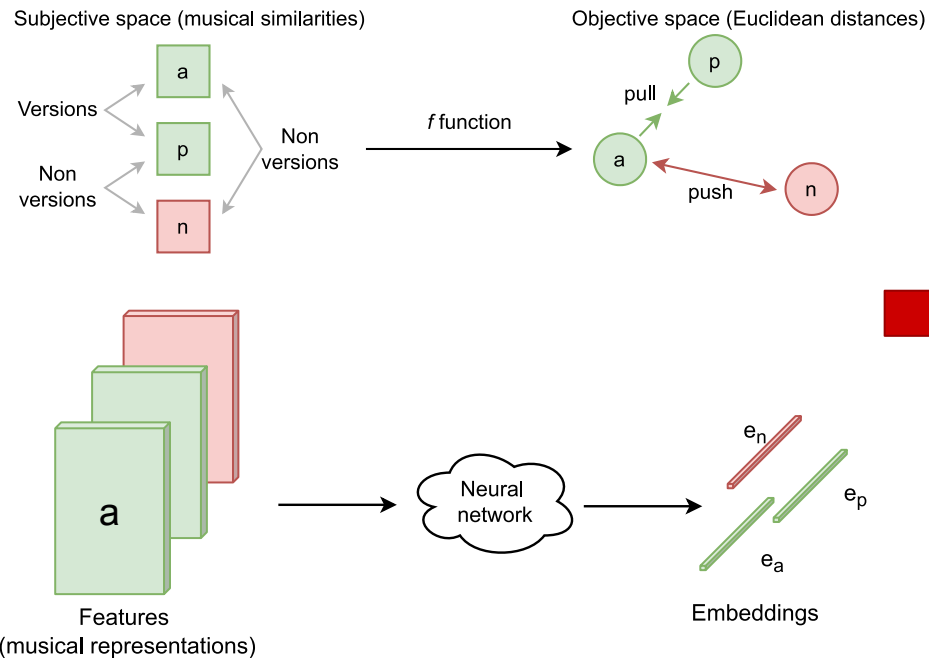
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Version identification using melody, harmony and lyrics



Jimmy Noone's version

You Rascal You

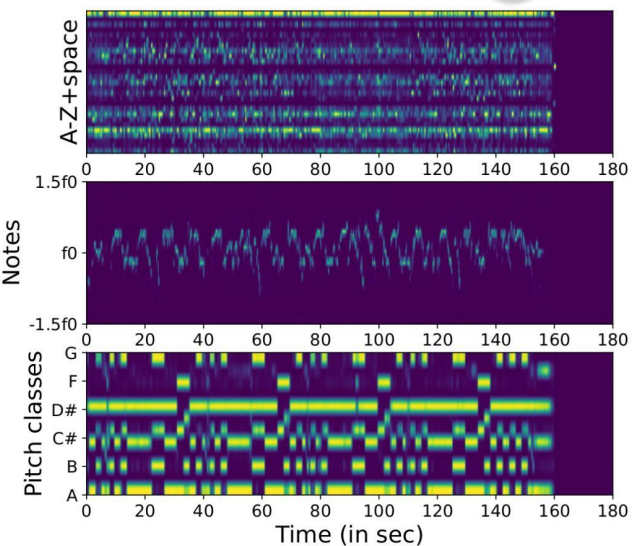
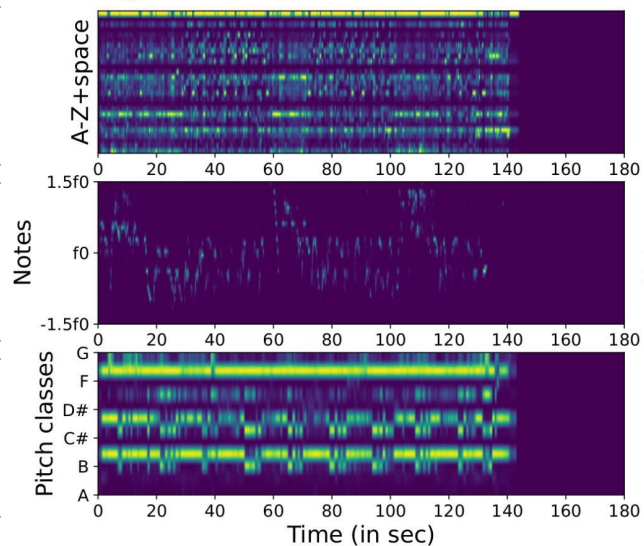
John Fogerty's version



Lyrics representation

Melodic representation

Harmonic representation



References

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[6] Vaglio et al. The Words remain the Same: Cover Detection with Lyrics Transcription ISMIR, 2021
[7] Du et al. Bytecover2: Towards dimensionality reduction of latent embedding for efficient cover song identification. ICASSP, 2022