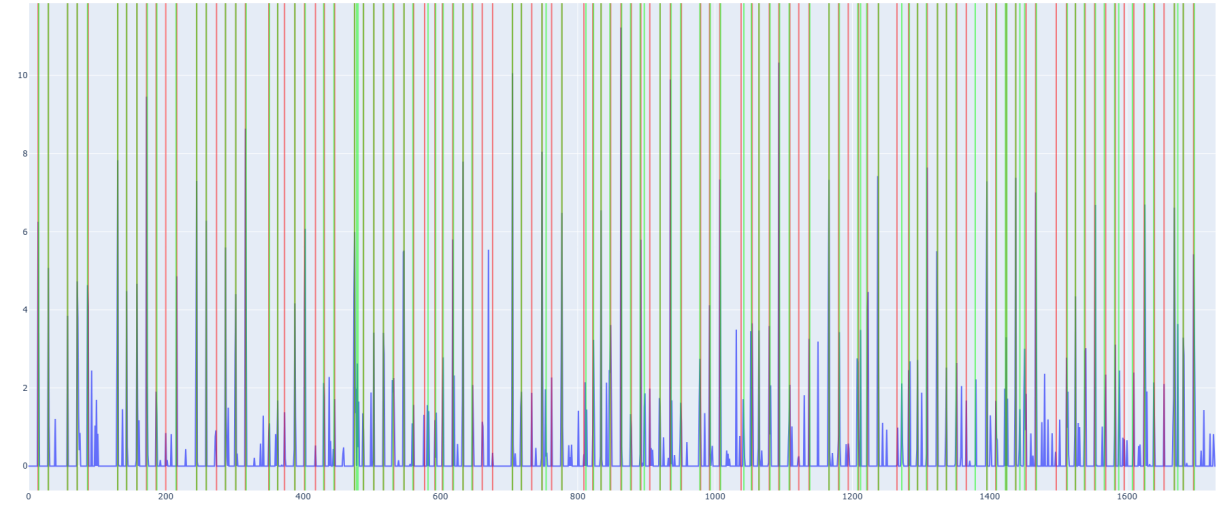


Onset detection

- CNN architecture
 - 4 convolutional layers
 - Max Pooling, Batch Normalization, GELU activation
- Weighted loss in training
- Custom peak detection
 - Constant threshold
 - Moving average smoothing



Team C

by Tobias Halmdienst, Jakob Seibezeder, Theresa König

Tempo Estimation

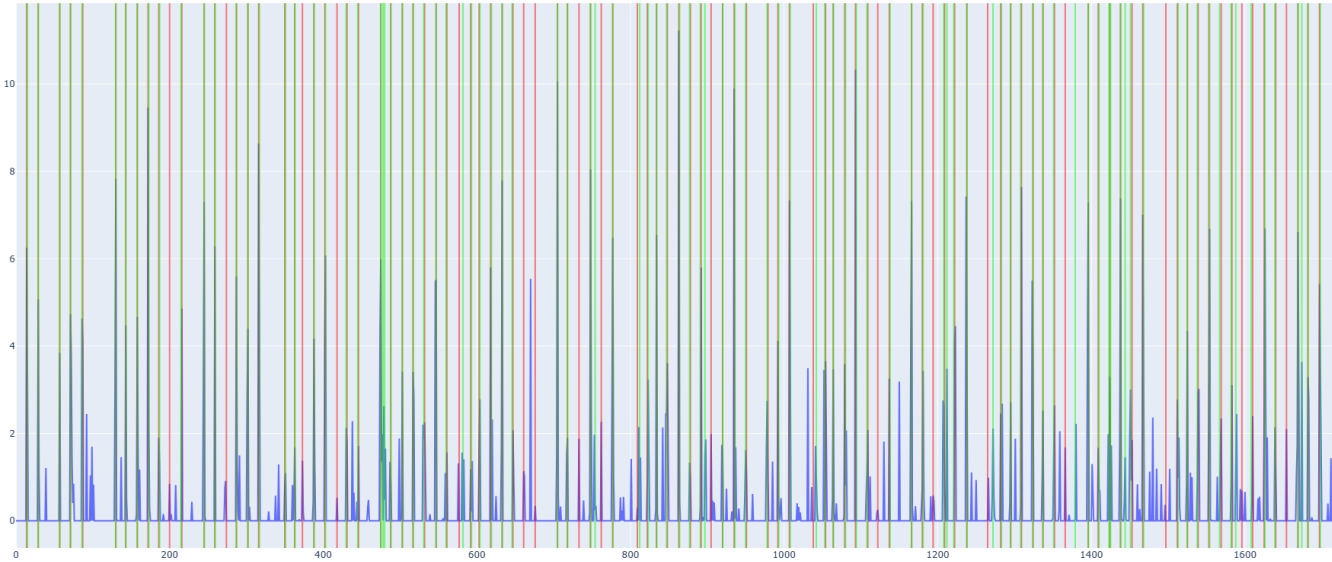
- Autocorrelation function on learned onset function
- Experiments with spectral flux and autocorrelation on mel-spectrograms

Beat detection

- CNN architecture (same as for onsets)
- Weighted loss in training
- Experiments with multiple agent beat detection algorithms

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Tempo Estimation

- Autocorrelation function on learned onset function

Onset detection

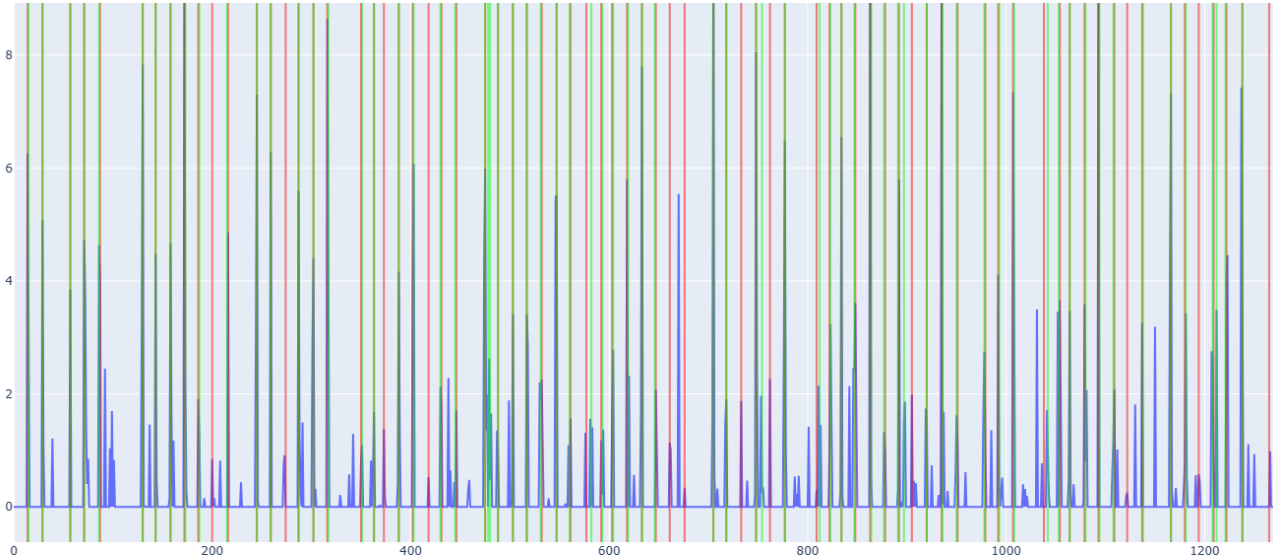
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Tempo Estimation

- asdf

Beat Detection

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