MeetEval, Show Me the Errors! Interactive Visualization of Transcript Alignments for the Analysis of Conversational ASR
Thilo von Neumann ${ }^{1}$, Christoph Boeddeker ${ }^{1}$, Marc Delcroix ${ }^{2}$, Reinhold Haeb-Umbach ${ }^{1}$

## Reasons for a Visual ASR Analysis

- WER doesn't tell you where the errors are
- Burst errors?
- Speaker confusions?
- Duplicated transcripts?
- Easily spot errors in your ASR output with our visualization!
- Works for hour-long recordings


## Open Source


github.com/fgnt/meeteval

## Try it for Yourself!


https://fgnt.github.io/meeteval_viz


## Input Format

SegLST (from CHiME challenges). List of segments with the following fields:

```
[
    "words": "yeah it's been not its",
    "speaker": "1",
    "session_id": "S28",
    "start_time": 196.89,
    "end_time": 198.49,
    "audio_path": "audio/S28-1-019689_019849.flac"
    # Custom fields are shown in details view
    },
```

]

Supports common formats (STM, CTM, ...)

## Run it on Your Own System!

## $\square$ Install

> pip install meeteval[cli]
$\geqslant$ CLI \# Creates a standalone HTML file python -m meeteval.viz html -r ref.json -h hyp.json

## e Python / Jupyter Notebook

import meeteval
ref = meeteval.io.load('ref.json').groupby('session_id')['S28'] hyp = meeteval.io.load('hyp.json').groupby('session_id')['S28'] meeteval.viz.AlignmentVisualization(ref, hyp).dump('viz.html')

[^0]


[^0]:    © JupyterLite
    Runs in the browser, no installation necessary!

