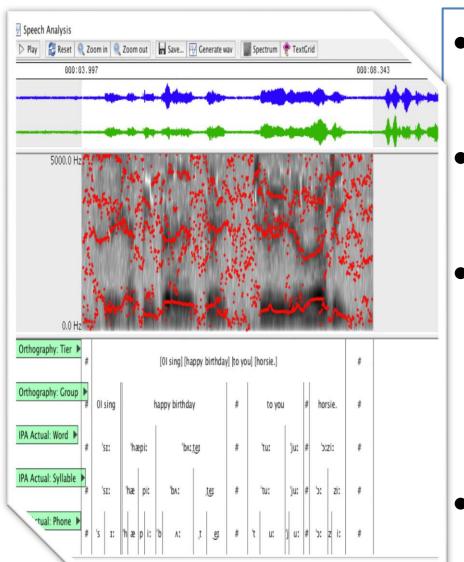


SCAnnAL – An Automatic Speech Corpus Annotator for African Speech Corpora

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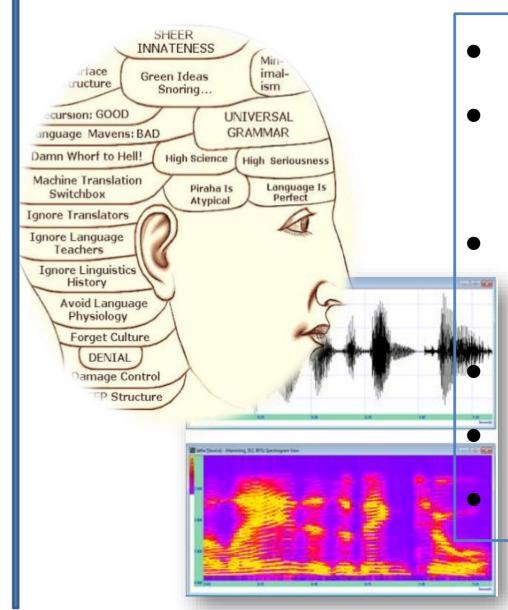
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WHAT IS THE ISSUE?



- Thousands of annotated speech corpora exist worldwide
- The demand for richly annotated corpora is fast growing
- The process accompanying corpora annotation has slowed research progress for African languages
- Current annotation Toolkits do

AUDIENCE:

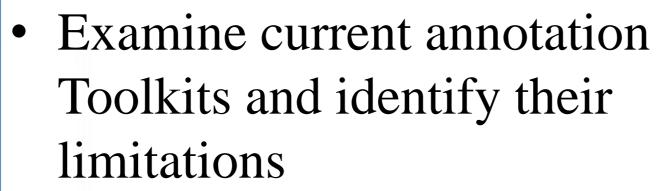


- Linguists
- Fieldwork/language experts
- Computational linguists Historians
- Speech Engineers
 - Speech Technologists



not satisfy the challenges African speech systems present.

OUR GOALS:



- Study the peculiarities of African tone languages
- Automate the annotation process using Signal
 - Processing and NLP
 - Adapt automated process to African languages
- Evaluate the annotator for precision

OUR APPROACH:

- Using Signal Processing, detect the respective speech waveforms
- Segment specified tier(s)
- Accept corresponding transcriptions
- Perform NLP to pre-annotate the transcriptions (e.g., syllabification, . . .
- Render transcriptions (phonemes; words; syllables; sentences; etc.), to respective segments using NLP
- Label segments

SCANNAL METHODOLOGICAL WORKFLOW:

Ibadan 400 Words



