

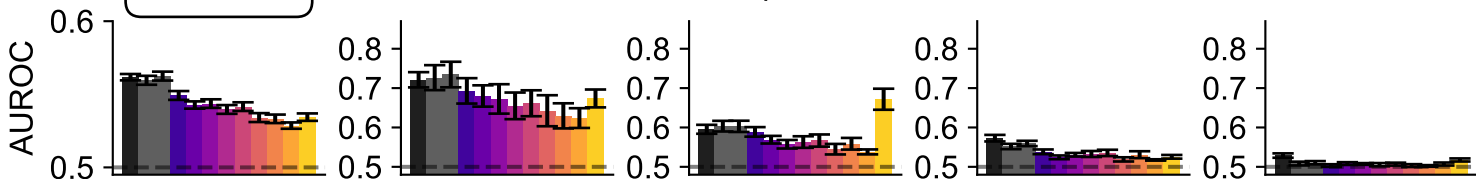
Task Mean

Sentence Onset

Speech

Volume

Voice Pitch



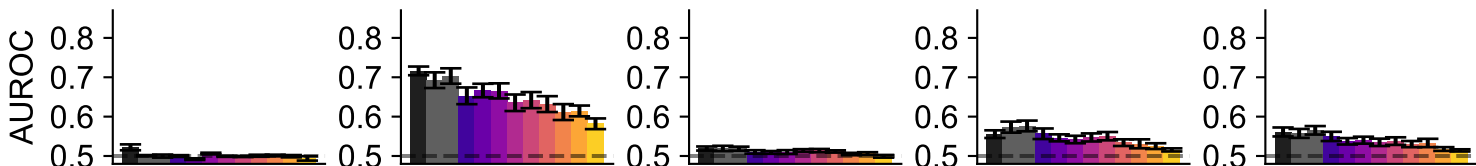
Speaker Identity

Delta Volume

Delta Pitch

GPT-2 Surprisal

Word Length



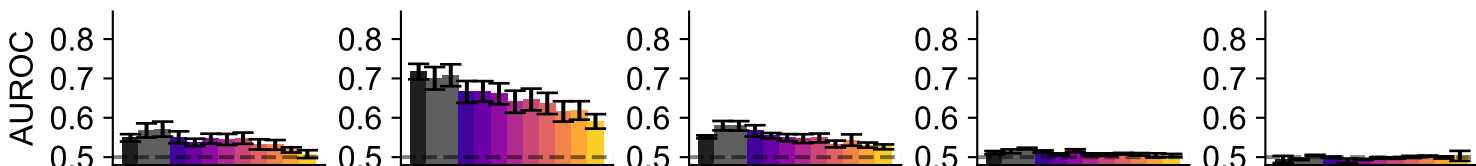
Inter-word Gap

Word Position

Head Word Position

Part of Speech

Frame Brightness



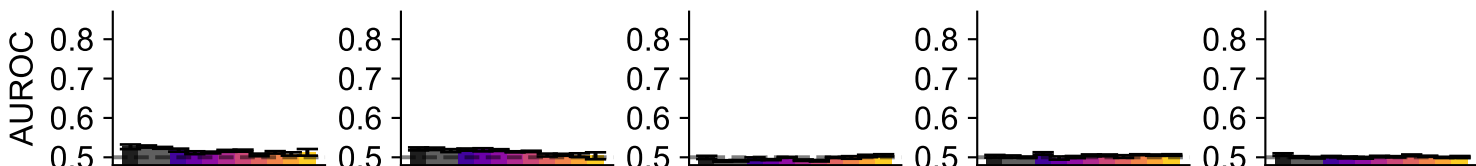
Global Optical Flow

Local Optical Flow

Global Flow Angle

Local Flow Angle

Number of Faces



- Linear (regression from raw voltage)
- Inputs to BrainBERT (Wang et al. 2023)
- Andrii's reimplement in PyTorch
- → skip 200Hz low pass filter
- → change hann window to boxcar
- → change to nperseg=256, noverlap=0
- → skip rereferencing

- → skip reref. and line noise removal
- → skip reref. & go to nperseg=256, noverlap=0
- → skip reref. and frequency capping
- → skip reref. and change window to boxcar
- Spectrogram (Andrii's original implementation)
- Chance