


Check ASR Model Fairness Score

How the Fairness Audit Works:

1. Enter a Hugging Face ASR model ID (e.g., `facebook/wav2vec2-base-960h`)
2. Our system will run inference using a 10% stratified sample from Meta's FairSpeech dataset
3. Results will show performance differences across demographic groups including gender, language, ethnicity, and socioeconomic background

 *The audit may take up to 10 minutes to complete depending on the model size*

Hugging Face Model ID:

openai/whisper-medium

Try these examples:

wav2vec2

whisper-small

whisper-medium

Run Fairness Audit

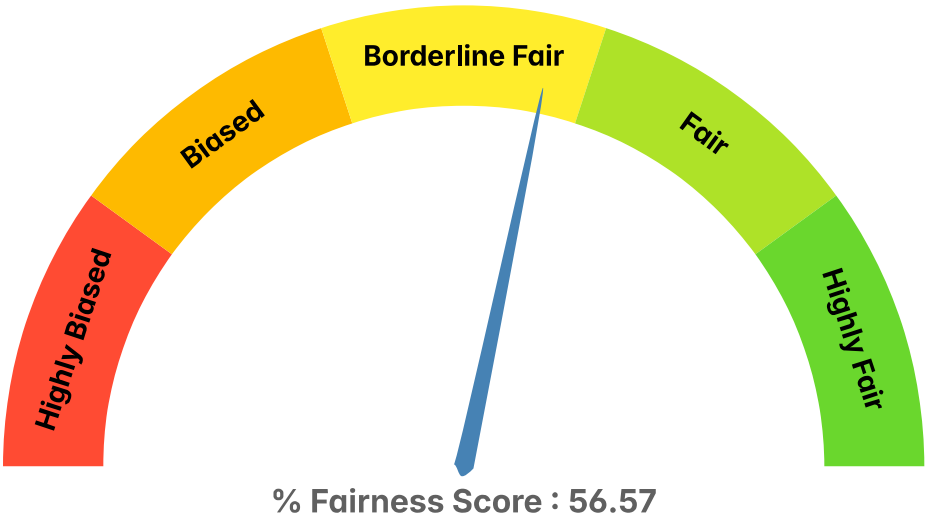
openai/whisper-medium has been evaluated and results are shown below



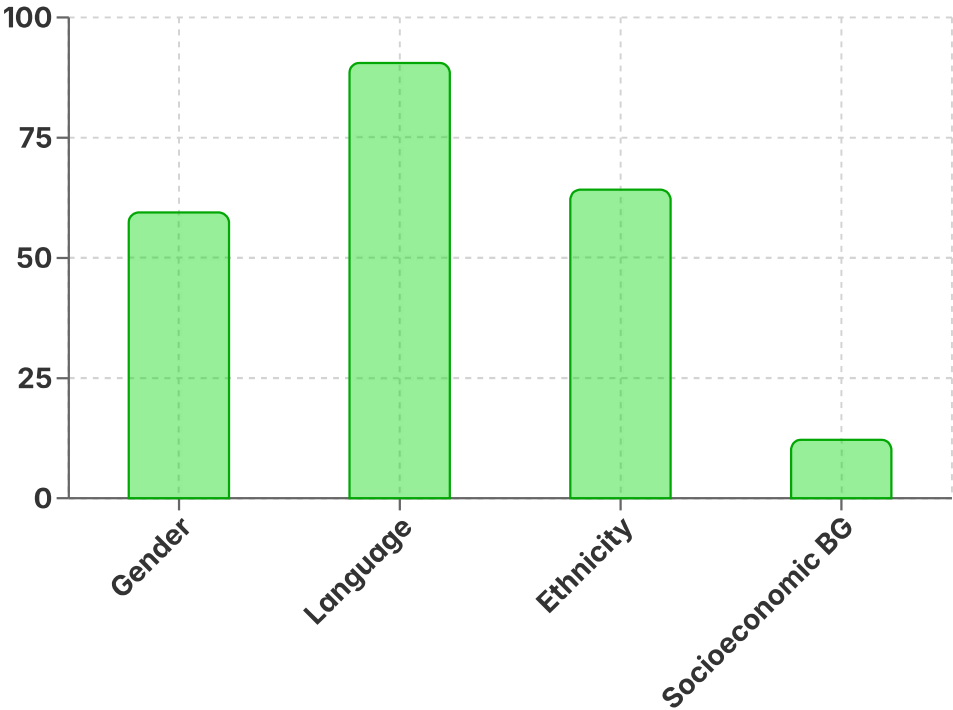
Summary.

Fairness-Adjusted ASR Score (FAAS) :

29.41 



Fairness Score (By Category)

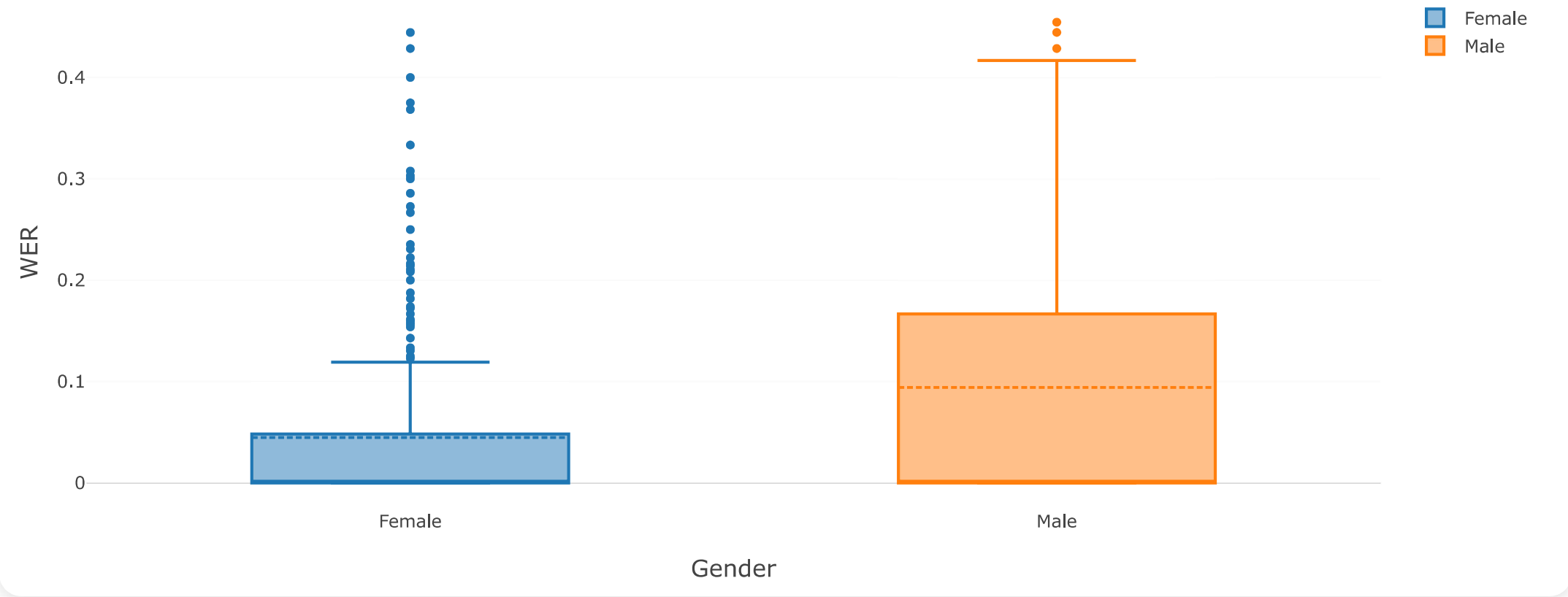


Gender

Fairness Score :

59.42 

WER Distribution Over Gender

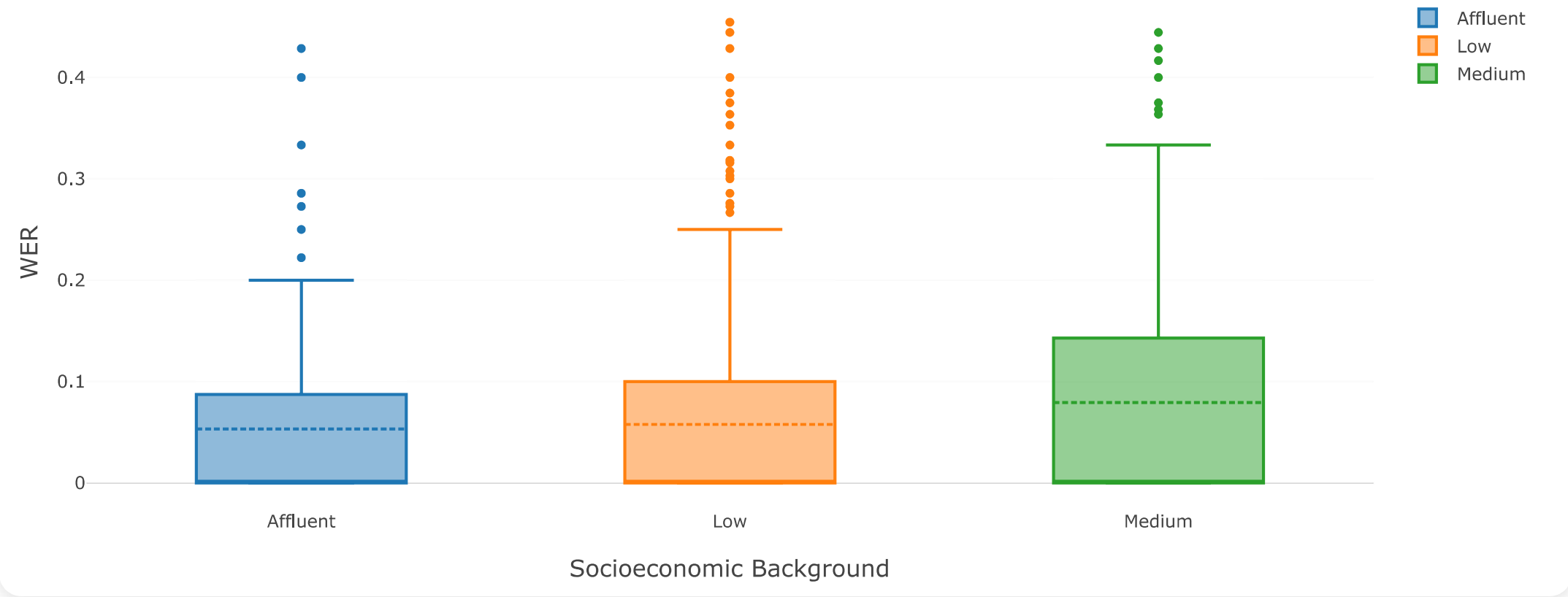


Socioeconomic Background

Fairness Score :

12.16 

WER Distribution Over Socioeconomic Background

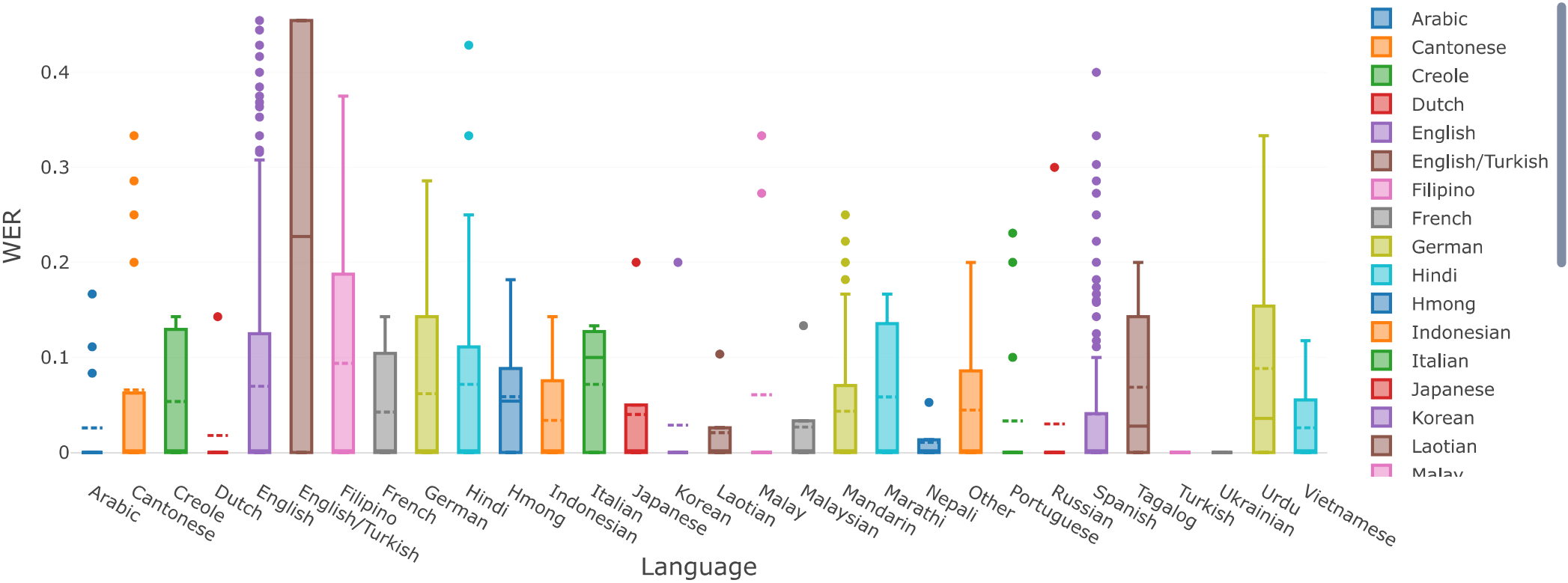


Language

Fairness Score :

90.53 

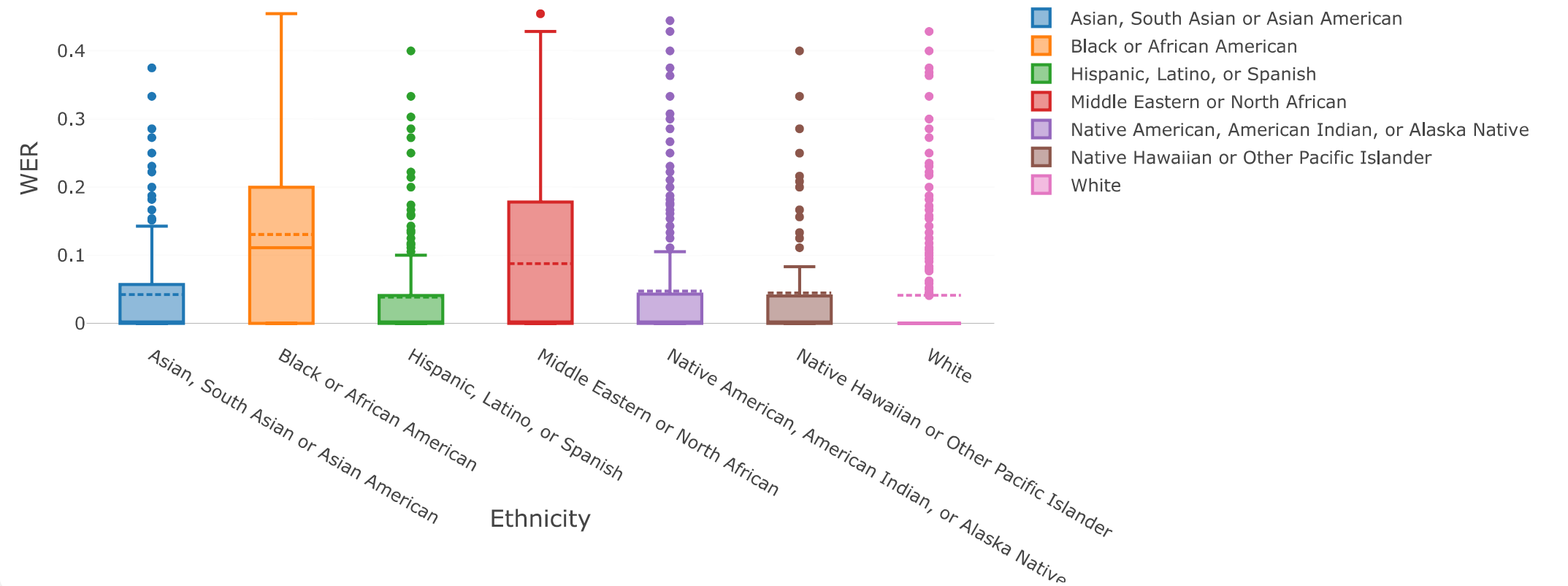
WER Distribution Over Language



Fairness Score :

64.16 

WER Distribution Over Ethnicity



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