Using the syllable level scores, compute the score for entire stimuli as:

\[ S \]

Using the stress markings and the confidence scores, pronunciation quality score is computed.

In the language learning, correct usage of syllable stress is essential for second language (L2) learners to be able to speak words/sentences like a native speaker [1].

**PROBLEM STATEMENT**

Demonstrate voisTUTOR tool that provide detailed feedback on correct usage of phonemes as well as stress, intonation and pauses for Indian learners to learn spoken English pronunciation in a self-learning manner.

**Phoneme**

- **Why to learn usage of phonemes:** Correct pronunciation of phonemes is essential for second language learners to be able to speak words/sentences like a native speaker [1].

**Intonation**

- **Why to learn Intonation:** Intonation often adds meaning to words and word group in spoken English communication [1].

**Syllable stress**

- **Why to learn usage of syllable stress:** In the language learning, correct usage of syllable stress patterns could minimize the localized pronunciation errors [1].

**Fluency**

- **Why to learn fluency:** Oral fluency is considered as a measure of language proficiency and it can be improved by incorporating proper pause placement and correct pronunciation [1].

**References**


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**Conclusion**

- **We present an Android app, named** voisTUTOR, **for improving pronunciation skills of L2 learners.**
- **Feedback is provided in four categories.**
- **We design the front end with Android SDK and back end codes with Python programming language.**
- **The app provides a feedback that helps for correct pronunciation of phonemes and placement of stress, intonation and pauses.**
- **Further investigations are required to measure the effectiveness of the proposed tool as well as analyze sufficiency of the feedback parameters on its users.**