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# **Consonant clusters and acoustic cues**

Environmental Engineering D1 Eri Kondo (Data analysis - M1 Muhammed) f4dcb001@eng.kitakyu-u.ac.jp Supervisor Professor Takehito Hayami



It may have never been possible to quantify the frequency of sounds in all the ways that they connect to word functions of reduction and consolidation that we may make. Then, without sufficient guidance on hearing materials and processes to create sounds of usage on our tongue and teeth within our mouth, we are certain to create the ambiguity on voice. These days, Google Classroom and Classroom have already incorporated machine learning. Recording their voices, such as a sequence of on-train tréin, cat ktaet, up np, and computer kampjúita, may be helpful. Additionally, the sounds may be converted to wave frequency. This presentation illustrates if machine learning influences accurate sound recognition. This Ph. D candidate in information engineering will create and investigate learning program on acoustics as a doctorate researcher.

### 2. METHOD

## **RECORDING VOICE**

# spider man (cc)

When the main idea of this research was brought to the field of machine learning, it was decided that it would be efficient to rely on machine learning classification, which pursues the development and potential of multiple intelligences, which is logically speaking, with the regenerative effect of sound and the development of the visual brain through image recognition. Therefore, in this study, it is assumed that the intelligence associated with hearing (playback) and sound (sight) (video) is promoted by classification. To that end, we would like to distribute textbooks that come with online learning.





subjectively while sequentially adjusting the intensity of the stimulus. Here is on a sentence.



As for the pitch of the sound, it is displayed as a sine wave and a frequency. It is used as a tool for analyzing the frequency and is known as the Fourier transform. The first step in understanding the characteristics of sound is to investigate the pitch and timbre of the sound. Observing waveforms and frequency responses and determining the characteristics of these sounds provides important clues for the average person to understand how sounds are heard. In the case of speech, the loudness, pitch, and timbre of the sound are generally referred to as phonology. The combination of these elements corresponds to the height of various linguistic information in the brain's recognition, which is a unique feature of speech.



4. DISCUSSION - Acoustics



#### 6. INFORMATION SYSTEMS AND CONCLUSION

In acoustic phonetics, we will conduct speech perception experiments using the phonetic analysis Praat, which is used in the Netherlands. When you press the View & Edit button to check the recording, the audio is displayed as a spectrogram. For example, if you edit a file that records monkey and kangaroo as a dataset, you can display the VOT (Voice Onset Time) as an experimental result if you want to compare the k in the silent *monkey* with the k before *kangaroo*. It has a sound editor function that displays pitch curves, intensity, formant frequencies, and pulses. If you want to analyze a word or sound in a sentence as a consonant unit, you can also use Audacity to cut it. Then, if we move to the step of articulation, in which the k of the closing sound is grouped into other closed sounds called p and t, and the consonants are intentionally produced, it becomes a hypothesis that it is possible to acquire the knowledge intelligence to recognize speech as a glottal airflow compression closure sound by applying the flow of breath that consciously opens and closes the glottis at the back of the throat called starting, which is linked to stress and utterances.

In addition, by conducting it online, it is essential to create a web design that evaluates the recorded audio as sound in order to get acoustic intelligences on brain. When the option of speech playback or image recognition is included in an activity to be conducted online, the algorithm in unsupervised learning is studied as a tree in that classification as reinforcement. The data array in the binary search tree is implemented as a search tree. In information algorithms for arrays and concatenation, arrays such as insertion sort and selection sorting are implemented as programming on classifications in inference and analogy. In addition, in the case of supervised learning, the effect as reinforcement learning will be wanted to be evaluated. Then, it is uncertain that there are enough limits on humans' stimuli exactly.



Stimuli

Modern hearing research

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