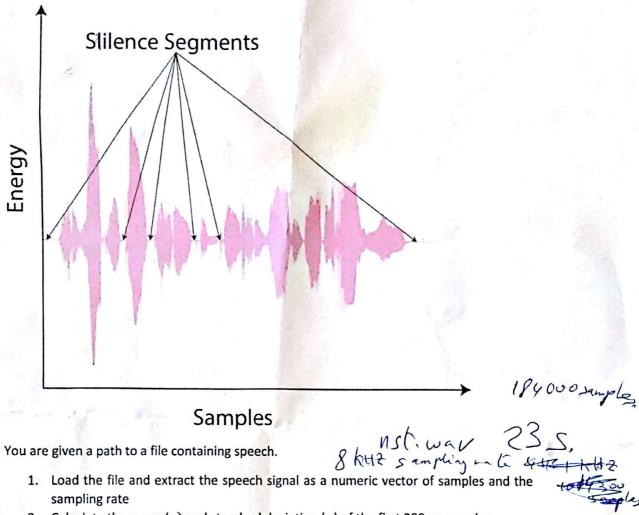
A speech signal is comprised of energy sampled at different time points. Each signal holds voiced and unvoiced segments. The goal here is to extract the voiced segments.



You are given a path to a file containing speech.

2. Calculate the mean (μ) and standard deviation (σ) of the first 200ms samples.

- 3. Go from the first sample to the last sample. For each sample check whether $\frac{|x-\mu|}{\sigma}$ 3. If this is true, mark the sample as 0. Otherwise, mark it as 1.
- 4. Divide the entire signal into 10ms non-overlapping windows.
- 5. In each window, there are M zeros and N ones. If M > N, convert all ones to zeros. Otherwise, convert all zeros to ones.
- Collect samples from the original signal corresponding to 1 from the converted signal.

dudula multisense nl

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