**Picking a Python Speech Recognition Package**

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-what kinds of speech recognition packages?

-some of the packages features or characteristics.

in PyPI, there are number of speech recognition packages as

wit

watson-developer-cloud

SpeechRecognition

pocketsphinx

google-cloud-speech

assemblyai

Apiai

this packages contain many features such as wit and apiai can know or define the user intent , also google\_cloude\_speech can convert voice to text

SpeechRecognition package

it is a common type of speech APIs, this package characterized by ease of use and flexible so it is the best choice for python projects.

Speech recognition requires voice input, and SpeechRecognition makes it easy to retrieve that input. Instead of create script to access microphone and manipulate audio file from scratch, SpeechRecognition will get you ready to go in a few minutes.

**SpeechRecognition Constructor**

to creates new object or instance from SpeechRecognition .

SpeechRecognition.SpeechRecognition()

**SpeechRecognition Methods**

**.abort()**

It stops the speech service from listening to the incoming voice, and it does not attempt to return SpeechRecognitionResult.

**.start()**

this method starts listening to the incoming voice with the intent to learn the grammatical rules associated with the current SpeechRecognition.

**.stop()**

stops the process to listen to the incoming voice and try to return the result

for more details about this methods:

<https://developer.mozilla.org/en-US/docs/Web/API/SpeechRecognition#Methods>