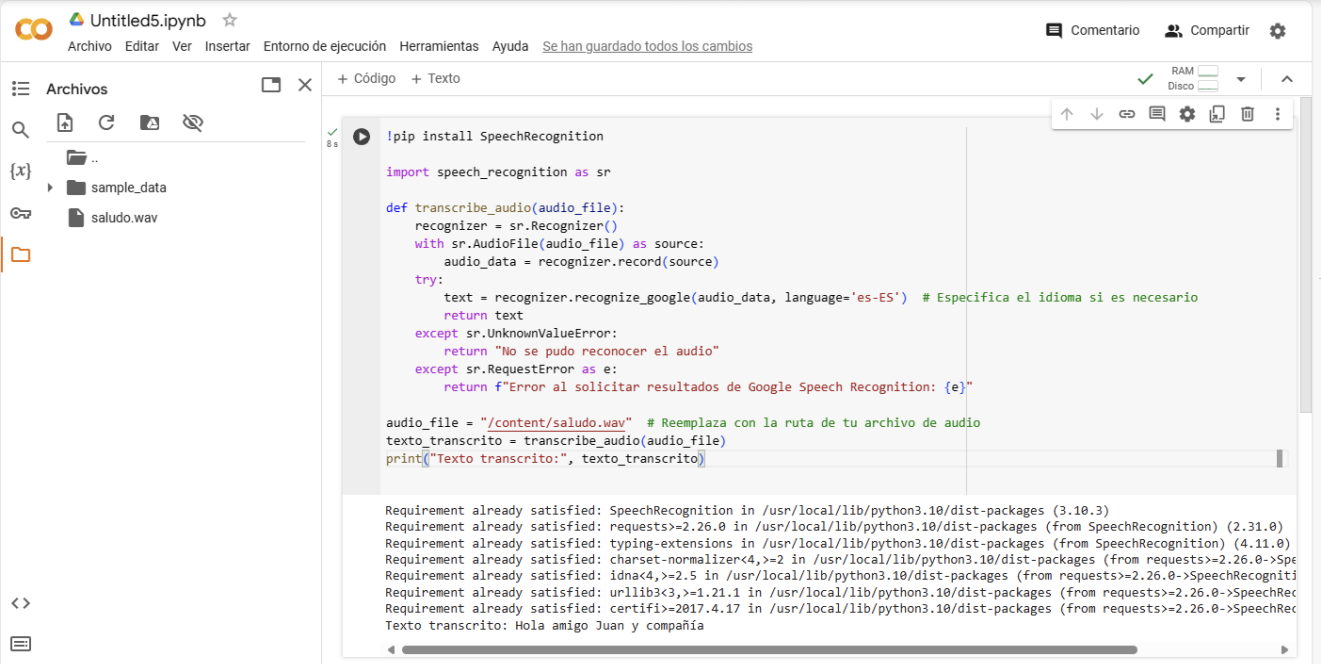


Transcribir un archivo de audio a texto utilizando la biblioteca SpeechRecognition de Python

Crear un audio:
<https://www.jesusninoc.com/12/03/ejercicios-de-powershell-crear-un-audio-en-formato-wav-desde-una-frase/>

Convertir un audio a texto con SpeechRecognition de Python

[crayon-6a9d4f605340f109498932/]



The screenshot shows a Jupyter Notebook interface with a file explorer on the left and a code editor in the center. The file explorer shows a folder named 'sample_data' containing a file named 'saludo.wav'. The code editor contains the following Python code:

```
!pip install SpeechRecognition

import speech_recognition as sr

def transcribe_audio(audio_file):
    recognizer = sr.Recognizer()
    with sr.AudioFile(audio_file) as source:
        audio_data = recognizer.record(source)
    try:
        text = recognizer.recognize_google(audio_data, language='es-ES') # Especifica el idioma si es necesario
        return text
    except sr.UnknownValueError:
        return "No se pudo reconocer el audio"
    except sr.RequestError as e:
        return f"Error al solicitar resultados de Google Speech Recognition: {e}"

audio_file = "/content/saludo.wav" # Reemplaza con la ruta de tu archivo de audio
texto_transcrito = transcribe_audio(audio_file)
print("Texto transcrito:", texto_transcrito)
```

The output of the code is displayed at the bottom of the notebook, showing the requirements for the SpeechRecognition library and the transcribed text:

```
Requirement already satisfied: SpeechRecognition in /usr/local/lib/python3.10/dist-packages (3.10.3)
Requirement already satisfied: requests>=2.26.0 in /usr/local/lib/python3.10/dist-packages (from SpeechRecognition) (2.31.0)
Requirement already satisfied: typing-extensions in /usr/local/lib/python3.10/dist-packages (from SpeechRecognition) (4.11.0)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0->SpeechRecognition) (3.2.0)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0->SpeechRecognition) (3.4)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0->SpeechRecognition) (2.0.7)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0->SpeechRecognition) (2024.2.2)
Texto transcrito: Hola amigo Juan y compañía
```