读取音频wav文件的方式

- **scipy**
  - from scipy.io import wavfile
  - import numpy as np
  - sample_rate, sig = wavfile.read('new.wav')
    - print("采样率: %d" % sample_rate)
      - print(sig)
  - if sig.dtype == np.int16:
    - print("PCM16位整形")
  - if sig.dtype == np.float32:
    - print("PCM32位浮点")
  - 结果
    - 采样率: 16000
    - [-1466 -733 -733 ... 2199 1832 1466]
    - PCM16位整形
- **pysoundfile**
  - import soundfile as sf
  - sig, sample_rate = sf.read('new.wav')
    - print("采样率：%d" % sample_rate)
    - print(sig)
  - 结果：
    - 采样率：16000
    - [-0.04473877 -0.02236938 -0.02236938 ... 0.06710815 0.0559082 0.04473877]