Traceback (most recent call last):

File "/home/yurui/lab2/new/homework.py", line 3, in <module>
y_shifted = librosa.effects.pitch_shift(y, sr, n_steps=4)

TypeError: pitch_shift() takes 1 positional argument but 2 positional arguments (and 1 keyword-only argument) were given

The error you're seeing:

...suggests that the librosa.effects.pitch_shift() function is being called with too many positional arguments, or they are incorrectly ordered.

✓ Correct Usage of librosa.effects.pitch_shift:

```
python

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librosa.effects.pitch_shift(y=y, sr=sr, n_steps=4)
```

You must pass the arguments using keywords, not positionally. So instead of:

Use:

Why This Happens:

pitch_shift is defined to accept y as a positional argument, but sr and n_steps must be passed as **keyword arguments**.

Example Fix:

If your original code is:

```
python

import librosa

y, sr = librosa.load('audio.wav')
y_shifted = librosa.effects.pitch_shift(y, sr, n_steps=4)
```

Change it to:

```
python

import librosa

y, sr = librosa.load('audio.wav')
y_shifted = librosa.effects.pitch_shift(y=y, sr=sr, n_steps=4)
```

Let me know if you'd like help adding this into a full audio pipeline (e.g., saving or plotting the results).

```
日 B P O B S >
```

Traceback (most recent call last):

File "/home/yurui/lab2/new/homework.py", line 4, in <module> librosa.output.write_wav("shifted.wav", y_shifted, sr)

File "/home/yurui/lab2/audio/lib/python3.11/site-packages/lazy_loader/__init__.py", line 94, in __getattr__ raise AttributeError(f"No {package_name} attribute {name}")
AttributeError: No librosa attribute output

my code: import librosa y, sr = librosa.load("test.wav") librosa.effects.pitch_shift(y=y, sr=sr, n_steps=4) librosa.output.write_wav("shifted.wav", y_shifted, sr)

You're getting this error because librosa.output.write_wav() has been **deprecated and** removed in recent versions of librosa.



Use soundfile.write() from the soundfile library instead.

Here's how to fix your code:

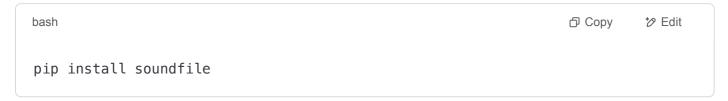
```
import librosa
import soundfile as sf # <- Add this import

y, sr = librosa.load("test.wav")
y_shifted = librosa.effects.pitch_shift(y=y, sr=sr, n_steps=4)

sf.write("shifted.wav", y_shifted, sr) # <- Save the shifted audio</pre>
```

Factra Tip:

If you don't have soundfile installed yet, you can install it via pip:



Let me know if you want to visualize the waveforms or apply other effects!



Ask anything

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