

```
In [ ]: # Advance python programming  
#1  
print("welcome") #printing a welcome message
```

Installing packages

```
In [2]: pip install librosa
```

```
Defaulting to user installation because normal site-packages is not write
able
Collecting librosa
  Downloading librosa-0.11.0-py3-none-any.whl (260 kB)
    _____ 260.7/260.7 KB 8.8 MB/s eta
0:00:00
Requirement already satisfied: numpy>=1.22.3 in ./local/lib/python3.10/s
ite-packages (from librosa) (2.1.3)
Collecting numba>=0.51.0
  Downloading numba-0.61.2-cp310-cp310-manylinux2014_x86_64.manylinux_2_1
7_x86_64.whl (3.8 MB)
    _____ 3.8/3.8 MB 28.1 MB/s eta
0:00:0031m25.9 MB/s eta 0:00:01
Collecting audioread>=2.1.9
  Downloading audioread-3.0.1-py3-none-any.whl (23 kB)
Requirement already satisfied: decorator>=4.3.0 in /usr/lib/python3/dist-
packages (from librosa) (4.4.2)
Requirement already satisfied: typing_extensions>=4.1.1 in ./local/lib/p
ython3.10/site-packages (from librosa) (4.13.0)
Requirement already satisfied: scipy>=1.6.0 in /usr/lib/python3/dist-pack
ages (from librosa) (1.8.0)
Collecting lazy_loader>=0.1
  Downloading lazy_loader-0.4-py3-none-any.whl (12 kB)
Collecting joblib>=1.0
  Downloading joblib-1.5.1-py3-none-any.whl (307 kB)
    _____ 307.7/307.7 KB 43.6 MB/s eta
0:00:00
Collecting msgpack>=1.0
  Downloading msgpack-1.1.1-cp310-cp310-manylinux_2_17_x86_64.manylinux20
14_x86_64.whl (408 kB)
    _____ 408.6/408.6 KB 56.0 MB/s eta
0:00:00
Collecting pooch>=1.1
  Downloading pooch-1.8.2-py3-none-any.whl (64 kB)
    _____ 64.6/64.6 KB 25.3 MB/s eta
0:00:00
Collecting scikit-learn>=1.1.0
  Downloading scikit_learn-1.7.0-cp310-cp310-manylinux_2_17_x86_64.manyli
nux2014_x86_64.whl (12.9 MB)
    _____ 12.9/12.9 MB 83.4 MB/s eta
0:00:00m eta 0:00:01:01
Collecting soxr>=0.3.2
  Downloading soxr-0.5.0.post1-cp310-cp310-manylinux_2_17_x86_64.manylinu
x2014_x86_64.whl (252 kB)
    _____ 252.8/252.8 KB 79.1 MB/s eta
0:00:00
Collecting soundfile>=0.12.1
  Downloading soundfile-0.13.1-py2.py3-none-manylinux_2_28_x86_64.whl
(1.3 MB)
    _____ 1.3/1.3 MB 87.3 MB/s eta
0:00:00
Requirement already satisfied: packaging in /usr/lib/python3/dist-package
s (from lazy_loader>=0.1->librosa) (21.3)
Collecting llvmlite<0.45,>=0.44.0dev0
  Downloading llvmlite-0.44.0-cp310-cp310-manylinux_2_17_x86_64.manylinux
2014_x86_64.whl (42.4 MB)
    _____ 42.4/42.4 MB 68.2 MB/s eta
0:00:00m eta 0:00:01[36m0:00:01
Requirement already satisfied: requests>=2.19.0 in /usr/lib/python3/dist-
packages (from pooch>=1.1->librosa) (2.25.1)
Collecting platformdirs>=2.5.0
  Downloading platformdirs-4.3.8-py3-none-any.whl (18 kB)
Collecting threadpoolctl>=3.1.0
```

```

    Downloading threadpoolctl-3.6.0-py3-none-any.whl (18 kB)
Collecting cffi>=1.0
  Downloading cffi-1.17.1-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (446 kB)
    _____ 446.2/446.2 KB 64.5 MB/s eta
0:00:00
Collecting pycparser
  Downloading pycparser-2.22-py3-none-any.whl (117 kB)
    _____ 117.6/117.6 KB 42.5 MB/s eta
0:00:00
Installing collected packages: threadpoolctl, soxr, pycparser, platformdirs, msgpack, llvmlite, lazy_loader, joblib, audioread, scikit-learn, pooch, numba, cffi, soundfile, librosa
Successfully installed audioread-3.0.1 cffi-1.17.1 joblib-1.5.1 lazy_loader-0.4 librosa-0.11.0 llvmlite-0.44.0 msgpack-1.1.1 numba-0.61.2 platformdirs-4.3.8 pooch-1.8.2 pycparser-2.22 scikit-learn-1.7.0 soundfile-0.13.1 soxr-0.5.0.post1 threadpoolctl-3.6.0
Note: you may need to restart the kernel to use updated packages.

```

In [3]: `pip show librosa`

```

Name: librosa
Version: 0.11.0
Summary: Python module for audio and music processing
Home-page: https://librosa.org
Author: Brian McFee, librosa development team
Author-email: brian.mcfree@nyu.edu
License: ISC
Location: /home/matlab/.local/lib/python3.10/site-packages
Requires: audioread, decorator, joblib, lazy_loader, msgpack, numba, numpy, pooch, scikit-learn, scipy, soundfile, soxr, typing_extensions
Required-by:
Note: you may need to restart the kernel to use updated packages.

```

In [4]: `pip install scikit-learn`

```

Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: scikit-learn in ./local/lib/python3.10/site-packages (1.7.0)
Requirement already satisfied: joblib>=1.2.0 in ./local/lib/python3.10/site-packages (from scikit-learn) (1.5.1)
Requirement already satisfied: threadpoolctl>=3.1.0 in ./local/lib/python3.10/site-packages (from scikit-learn) (3.6.0)
Requirement already satisfied: scipy>=1.8.0 in /usr/lib/python3/dist-packages (from scikit-learn) (1.8.0)
Requirement already satisfied: numpy>=1.22.0 in ./local/lib/python3.10/site-packages (from scikit-learn) (2.1.3)
Note: you may need to restart the kernel to use updated packages.

```

In [6]: `import librosa`

In [7]:

```

# Loading an example audio file and specify a different sampling rate
y, sr = librosa.load('trumpet', sr=16000)

print(f"Sampling rate (sr): {sr}")
print(f"Audio waveform (y) type: {type(y)}")
print(f"Audio waveform (y) shape: {y.shape}")

```

A module that was compiled using NumPy 1.x cannot be run in NumPy 2.1.3 as it may crash. To support both 1.x and 2.x versions of NumPy, modules must be compiled with NumPy 2.0. Some module may need to rebuild instead e.g. with 'pybind11>=2.12'.

If you are a user of the module, the easiest solution will be to downgrade to 'numpy<2' or try to upgrade the affected module. We expect that some modules will need time to support NumPy 2.

```
Traceback (most recent call last): File "/usr/lib/python3.10/runpy.py",
line 196, in _run_module_as_main
    return _run_code(code, main_globals, None,
File "/usr/lib/python3.10/runpy.py", line 86, in _run_code
    exec(code, run_globals)
File "/usr/lib/python3/dist-packages/ipykernel_launcher.py", line 16, in
n <module>
    app.launch_new_instance()
File "/usr/lib/python3/dist-packages/traitlets/config/application.py",
line 846, in launch_instance
    app.start()
File "/usr/lib/python3/dist-packages/ipykernel/kernelapp.py", line 677,
in start
    self.io_loop.start()
File "/usr/lib/python3/dist-packages/tornado/platform/asyncio.py", line
199, in start
    self.asyncio_loop.run_forever()
File "/usr/lib/python3.10/asyncio/base_events.py", line 603, in run_for
ever
    self._run_once()
File "/usr/lib/python3.10/asyncio/base_events.py", line 1909, in _run_o
nce
    handle._run()
File "/usr/lib/python3.10/asyncio/events.py", line 80, in _run
    self._context.run(self._callback, *self._args)
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 461
, in dispatch_queue
    await self.process_one()
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 450
, in process_one
    await dispatch(*args)
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 357
, in dispatch_shell
    await result
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 652
, in execute_request
    reply_content = await reply_content
File "/usr/lib/python3/dist-packages/ipykernel/ipkernel.py", line 353,
in do_execute
    res = shell.run_cell(code, store_history=store_history, silent=silen
t)
File "/usr/lib/python3/dist-packages/ipykernel/zmqshell.py", line 532,
in run_cell
    return super().run_cell(*args, **kwargs)
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 2914, in run_cell
    result = self._run_cell(
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 2960, in _run_cell
    return runner(coro)
File "/usr/lib/python3/dist-packages/IPython/core/async_helpers.py", li
ne 78, in _pseudo_sync_runner
    coro.send(None)
```

```
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 3185, in run_cell_async
    has_raised = await self.run_ast_nodes(code_ast.body, cell_name,
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 3377, in run_ast_nodes
    if (await self.run_code(code, result, async_=asy)):
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 3457, in run_code
    exec(code_obj, self.user_global_ns, self.user_ns)
File "/tmp/ipykernel_14184/1519902053.py", line 2, in <module>
    y, sr = librosa.load('trumpet', sr=16000)
File "/home/matlab/.local/lib/python3.10/site-packages/lazy_loader/__in
it__.py", line 83, in __getattr__
    attr = getattr(submod, name)
File "/home/matlab/.local/lib/python3.10/site-packages/lazy_loader/__in
it__.py", line 82, in __getattr__
    submod = importlib.import_module(submod_path)
File "/usr/lib/python3.10/importlib/__init__.py", line 126, in import_m
odule
    return _bootstrap._gcd_import(name[level:], package, level)
File "/home/matlab/.local/lib/python3.10/site-packages/librosa/core/aud
io.py", line 14, in <module>
    import scipy.signal
File "/usr/lib/python3/dist-packages/scipy/signal/__init__.py", line 30
9, in <module>
    from . import _sigtools, windows
```

AttributeError

Traceback (most recent call las

AttributeError: _ARRAY_API not found

```

-----
ImportError                                Traceback (most recent call las
/tmp/ipykernel_14184/1519902053.py in <module>
      1 # Load an example audio file and specify a different sampling rat
----> 2 y, sr = librosa.load('trumpet', sr=16000)
      3
      4 print(f"Sampling rate (sr): {sr}")
      5 print(f"Audio waveform (y) type: {type(y)}")

~/./local/lib/python3.10/site-packages/lazy_loader/__init__.py in __getatt
_(name)
      81         submod_path = f"{package_name}.{attr_to_modules[name]}
      82         submod = importlib.import_module(submod_path)
----> 83         attr = getattr(submod, name)
      84
      85         # If the attribute lives in a file (module) with the
me

~/./local/lib/python3.10/site-packages/lazy_loader/__init__.py in __getatt
_(name)
      80         elif name in attr_to_modules:
      81             submod_path = f"{package_name}.{attr_to_modules[name]}
----> 82             submod = importlib.import_module(submod_path)
      83             attr = getattr(submod, name)
      84

/usr/lib/python3.10/importlib/__init__.py in import_module(name, package)
     124         break
     125         level += 1
--> 126     return _bootstrap._gcd_import(name[level:], package, level)
     127
     128

/usr/lib/python3.10/importlib/_bootstrap.py in _gcd_import(name, package,
evel)

/usr/lib/python3.10/importlib/_bootstrap.py in _find_and_load(name, impor
_)

/usr/lib/python3.10/importlib/_bootstrap.py in _find_and_load_unlocked(na
e, import_)

/usr/lib/python3.10/importlib/_bootstrap.py in _load_unlocked(spec)

/usr/lib/python3.10/importlib/_bootstrap_external.py in exec_module(self,
odule)

/usr/lib/python3.10/importlib/_bootstrap.py in _call_with_frames_removed(
*args, **kws)

~/./local/lib/python3.10/site-packages/librosa/core/audio.py in <module>
     12 import numpy as np
     13 import scipy
--> 14 import scipy.signal
     15 import soxr
     16 import lazy_loader as lazy

/usr/lib/python3/dist-packages/scipy/signal/__init__.py in <module>
    307
    308 """
--> 309 from . import _sigtools, windows
    310 from ._waveforms import *
```

```
311 from ._max_len_seq import max_len_seq
```

ImportError: numpy.core.multiarray failed to import

In [8]:

```
#importing librosa
import librosa

# Getting a path to a built-in example audio file (e.g., 'trumpet')
example_file_path = librosa.ex('trumpet')

# Loading audio file
y, sr = librosa.load(example_file_path)

#printing files
print(f"Loaded file: {example_file_path}")
print(f"Sampling rate: {sr}")
print(f"Audio time series shape: {y.shape}")
```

Downloading file 'sorohanro_-_solo-trumpet-06.ogg' from 'https://librosa.org/data/audio/sorohanro_-_solo-trumpet-06.ogg' to '/home/matlab/.cache/librosa'.

A module that was compiled using NumPy 1.x cannot be run in NumPy 2.1.3 as it may crash. To support both 1.x and 2.x versions of NumPy, modules must be compiled with NumPy 2.0. Some module may need to rebuild instead e.g. with 'pybind11>=2.12'.

If you are a user of the module, the easiest solution will be to downgrade to 'numpy<2' or try to upgrade the affected module. We expect that some modules will need time to support NumPy 2.

```
Traceback (most recent call last): File "/usr/lib/python3.10/runpy.py",
line 196, in _run_module_as_main
    return _run_code(code, main_globals, None,
File "/usr/lib/python3.10/runpy.py", line 86, in _run_code
    exec(code, run_globals)
File "/usr/lib/python3/dist-packages/ipykernel_launcher.py", line 16, in
n <module>
    app.launch_new_instance()
File "/usr/lib/python3/dist-packages/traitlets/config/application.py",
line 846, in launch_instance
    app.start()
File "/usr/lib/python3/dist-packages/ipykernel/kernelapp.py", line 677,
in start
    self.io_loop.start()
File "/usr/lib/python3/dist-packages/tornado/platform/asyncio.py", line
199, in start
    self.asyncio_loop.run_forever()
File "/usr/lib/python3.10/asyncio/base_events.py", line 603, in run_for
ever
    self._run_once()
File "/usr/lib/python3.10/asyncio/base_events.py", line 1909, in _run_o
nce
    handle._run()
File "/usr/lib/python3.10/asyncio/events.py", line 80, in _run
    self._context.run(self._callback, *self._args)
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 461
, in dispatch_queue
    await self.process_one()
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, in process_one
    await dispatch(*args)
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 357
, in dispatch_shell
    await result
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 652
, in execute_request
    reply_content = await reply_content
File "/usr/lib/python3/dist-packages/ipykernel/ipkernel.py", line 353,
in do_execute
    res = shell.run_cell(code, store_history=store_history, silent=silen
t)
File "/usr/lib/python3/dist-packages/ipykernel/zmqshell.py", line 532,
in run_cell
    return super().run_cell(*args, **kwargs)
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 2914, in run_cell
    result = self._run_cell(
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 2960, in _run_cell
```



```
        return runner(coro)
    File "/usr/lib/python3/dist-packages/IPython/core/async_helpers.py", line 78, in _pseudo_sync_runner
        coro.send(None)
    File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py", line 3185, in run_cell_async
        has_raised = await self.run_ast_nodes(code_ast.body, cell_name,
    File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py", line 3377, in run_ast_nodes
        if (await self.run_code(code, result, async_=asy)):
    File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py", line 3457, in run_code
        exec(code_obj, self.user_global_ns, self.user_ns)
    File "/tmp/ipykernel_14184/3766326608.py", line 8, in <module>
        y, sr = librosa.load(example_file_path)
    File "/home/matlab/.local/lib/python3.10/site-packages/lazy_loader/__init__.py", line 83, in __getattr__
        attr = getattr(submod, name)
    File "/home/matlab/.local/lib/python3.10/site-packages/lazy_loader/__init__.py", line 82, in __getattr__
        submod = importlib.import_module(submod_path)
    File "/usr/lib/python3.10/importlib/__init__.py", line 126, in import_module
        return _bootstrap._gcd_import(name[level:], package, level)
    File "/home/matlab/.local/lib/python3.10/site-packages/librosa/core/audio.py", line 14, in <module>
        import scipy.signal
    File "/usr/lib/python3/dist-packages/scipy/signal/__init__.py", line 309, in <module>
        from . import _sigtools, windows
```

```
-----
AttributeError                                Traceback (most recent call last)
AttributeError: _ARRAY_API not found
```

```

-----
ImportError                                Traceback (most recent call last)
/tmp/ipykernel_14184/3766326608.py in <module>
      6
      7 # Loading audio file
----> 8 y, sr = librosa.load(example_file_path)
      9
     10 #printing files

~/local/lib/python3.10/site-packages/lazy_loader/__init__.py in __getattr__
(name)
     81         submod_path = f"{package_name}.{attr_to_modules[name]}"
     82         submod = importlib.import_module(submod_path)
----> 83         attr = getattr(submod, name)
     84
     85         # If the attribute lives in a file (module) with the
me

~/local/lib/python3.10/site-packages/lazy_loader/__init__.py in __getattr__
(name)
     80         elif name in attr_to_modules:
     81             submod_path = f"{package_name}.{attr_to_modules[name]}"
----> 82             submod = importlib.import_module(submod_path)
     83             attr = getattr(submod, name)
     84

/usr/lib/python3.10/importlib/__init__.py in import_module(name, package)
    124         break
    125         level += 1
--> 126     return _bootstrap._gcd_import(name[level:], package, level)
    127
    128

/usr/lib/python3.10/importlib/_bootstrap.py in _gcd_import(name, package,
evel)

/usr/lib/python3.10/importlib/_bootstrap.py in _find_and_load(name, import_
_)

/usr/lib/python3.10/importlib/_bootstrap.py in _find_and_load_unlocked(name,
import_)

/usr/lib/python3.10/importlib/_bootstrap.py in _load_unlocked(spec)

/usr/lib/python3.10/importlib/_bootstrap_external.py in exec_module(self,
odule)

/usr/lib/python3.10/importlib/_bootstrap.py in _call_with_frames_removed(*args,
**kwargs)

~/local/lib/python3.10/site-packages/librosa/core/audio.py in <module>
     12 import numpy as np
     13 import scipy
--> 14 import scipy.signal
     15 import soxr
     16 import lazy_loader as lazy

/usr/lib/python3/dist-packages/scipy/signal/__init__.py in <module>
    307
    308 """
--> 309 from . import _sigtools, windows
    310 from ._waveforms import *

```

```
311 from ._max_len_seq import max_len_seq
```

ImportError: numpy.core.multiarray failed to import

In [9]:

```
pip install numpy
```

Defaulting to user installation because normal site-packages is not write able

Requirement already satisfied: numpy in ./local/lib/python3.10/site-packages (2.1.3)

Note: you may need to restart the kernel to use updated packages.

In [10]:

```
conda install numpy
```

```
-----
ValueError                                Traceback (most recent call last)
/tmp/ipykernel_14184/963938191.py in <module>
----> 1 get_ipython().run_line_magic('conda', 'install numpy')
```

```
/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py in run_line_magic(self, magic_name, line, _stack_depth)
```

```
2362         kwargs['local_ns'] = self.get_local_scope(stack_depth)
```

```
2363         with self.builtin_trap:
```

```
-> 2364             result = fn(*args, **kwargs)
```

```
2365         return result
```

```
2366
```

```
<decorator-gen-100> in conda(self, line)
```

```
/usr/lib/python3/dist-packages/IPython/core/magic.py in <lambda>(f, *a, *k)
```

```
185     # but it's overkill for just that one bit of state.
```

```
186     def magic_deco(arg):
```

```
--> 187         call = lambda f, *a, **k: f(*a, **k)
```

```
188
```

```
189         if callable(arg):
```

```
/usr/lib/python3/dist-packages/IPython/core/magics/packaging.py in conda(self, line)
```

```
84         """
```

```
85         if not _is_conda_environment():
```

```
---> 86             raise ValueError("The python kernel does not appear to be a conda environment. "
```

```
87                                     "Please use ``pip install`` instead.")
```

```
88
```

ValueError: The python kernel does not appear to be a conda environment. lease use ``pip install`` instead.

In [11]:

```
pip uninstall numpy
pip install "numpy<2"
```

```
File "/tmp/ipykernel_14184/1971653369.py", line 1
```

```
    pip uninstall numpy
```

```
    ^
```

SyntaxError: invalid syntax

In [12]:

```
pip install "numpy<2"
```

Defaulting to user installation because normal site-packages is not writeable

Collecting numpy<2

Downloading numpy-1.26.4-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (18.2 MB)

18.2/18.2 MB 62.6 MB/s eta

0:00:00m eta 0:00:01[36m0:00:01

Installing collected packages: numpy

Attempting uninstall: numpy

Found existing installation: numpy 2.1.3

Uninstalling numpy-2.1.3:

Successfully uninstalled numpy-2.1.3

WARNING: The script f2py is installed in '/home/matlab/.local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

Successfully installed numpy-1.26.4

Note: you may need to restart the kernel to use updated packages.

In [13]:

```
#importing librosa
```

```
import librosa
```

```
# Getting a path to a built-in example audio file (e.g., 'trumpet')
example_file_path = librosa.ex('trumpet')
```

```
# Loading audio file
```

```
y, sr = librosa.load(example_file_path)
```

```
#printing files
```

```
print(f"Loaded file: {example_file_path}")
```

```
print(f"Sampling rate: {sr}")
```

```
print(f"Audio time series shape: {y.shape}")
```

A module that was compiled using NumPy 1.x cannot be run in NumPy 2.1.3 as it may crash. To support both 1.x and 2.x versions of NumPy, modules must be compiled with NumPy 2.0. Some module may need to rebuild instead e.g. with 'pybind11>=2.12'.

If you are a user of the module, the easiest solution will be to downgrade to 'numpy<2' or try to upgrade the affected module. We expect that some modules will need time to support NumPy 2.

```
Traceback (most recent call last): File "/usr/lib/python3.10/runpy.py",
line 196, in _run_module_as_main
    return _run_code(code, main_globals, None,
File "/usr/lib/python3.10/runpy.py", line 86, in _run_code
    exec(code, run_globals)
File "/usr/lib/python3/dist-packages/ipykernel_launcher.py", line 16, in
n <module>
    app.launch_new_instance()
File "/usr/lib/python3/dist-packages/traitlets/config/application.py",
line 846, in launch_instance
    app.start()
File "/usr/lib/python3/dist-packages/ipykernel/kernelapp.py", line 677,
in start
    self.io_loop.start()
File "/usr/lib/python3/dist-packages/tornado/platform/asyncio.py", line
199, in start
    self.asyncio_loop.run_forever()
File "/usr/lib/python3.10/asyncio/base_events.py", line 603, in run_for
ever
    self._run_once()
File "/usr/lib/python3.10/asyncio/base_events.py", line 1909, in _run_o
nce
    handle._run()
File "/usr/lib/python3.10/asyncio/events.py", line 80, in _run
    self._context.run(self._callback, *self._args)
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 461
, in dispatch_queue
    await self.process_one()
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 450
, in process_one
    await dispatch(*args)
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 357
, in dispatch_shell
    await result
File "/usr/lib/python3/dist-packages/ipykernel/kernelbase.py", line 652
, in execute_request
    reply_content = await reply_content
File "/usr/lib/python3/dist-packages/ipykernel/ipkernel.py", line 353,
in do_execute
    res = shell.run_cell(code, store_history=store_history, silent=silen
t)
File "/usr/lib/python3/dist-packages/ipykernel/zmqshell.py", line 532,
in run_cell
    return super().run_cell(*args, **kwargs)
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 2914, in run_cell
    result = self._run_cell(
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 2960, in _run_cell
    return runner(coro)
File "/usr/lib/python3/dist-packages/IPython/core/async_helpers.py", li
ne 78, in _pseudo_sync_runner
    coro.send(None)
```

```
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 3185, in run_cell_async
    has_raised = await self.run_ast_nodes(code_ast.body, cell_name,
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 3377, in run_ast_nodes
    if (await self.run_code(code, result, async_=asy)):
File "/usr/lib/python3/dist-packages/IPython/core/interactiveshell.py",
line 3457, in run_code
    exec(code_obj, self.user_global_ns, self.user_ns)
File "/tmp/ipykernel_14184/3766326608.py", line 8, in <module>
    y, sr = librosa.load(example_file_path)
File "/home/matlab/.local/lib/python3.10/site-packages/lazy_loader/__in
it__.py", line 83, in __getattr__
    attr = getattr(submod, name)
File "/home/matlab/.local/lib/python3.10/site-packages/lazy_loader/__in
it__.py", line 82, in __getattr__
    submod = importlib.import_module(submod_path)
File "/usr/lib/python3.10/importlib/__init__.py", line 126, in import_m
odule
    return _bootstrap._gcd_import(name[level:], package, level)
File "/home/matlab/.local/lib/python3.10/site-packages/librosa/core/aud
io.py", line 14, in <module>
    import scipy.signal
File "/usr/lib/python3/dist-packages/scipy/signal/__init__.py", line 30
9, in <module>
    from . import _sigtools, windows
```

AttributeError

Traceback (most recent call las

AttributeError: _ARRAY_API not found

```

-----
ImportError                                Traceback (most recent call last)
/tmp/ipykernel_14184/3766326608.py in <module>
      6
      7 # Loading audio file
----> 8 y, sr = librosa.load(example_file_path)
      9
     10 #printing files

~/./local/lib/python3.10/site-packages/lazy_loader/__init__.py in __getattr__
(name)
     81         submod_path = f"{package_name}.{attr_to_modules[name]}"
     82         submod = importlib.import_module(submod_path)
----> 83         attr = getattr(submod, name)
     84
     85         # If the attribute lives in a file (module) with the
me

~/./local/lib/python3.10/site-packages/lazy_loader/__init__.py in __getattr__
(name)
     80         elif name in attr_to_modules:
     81             submod_path = f"{package_name}.{attr_to_modules[name]}"
----> 82             submod = importlib.import_module(submod_path)
     83             attr = getattr(submod, name)
     84

/usr/lib/python3.10/importlib/__init__.py in import_module(name, package)
    124         break
    125         level += 1
--> 126     return _bootstrap._gcd_import(name[level:], package, level)
    127
    128

/usr/lib/python3.10/importlib/_bootstrap.py in _gcd_import(name, package,
evel)

/usr/lib/python3.10/importlib/_bootstrap.py in _find_and_load(name, import_
_)

/usr/lib/python3.10/importlib/_bootstrap.py in _find_and_load_unlocked(name,
import_)

/usr/lib/python3.10/importlib/_bootstrap.py in _load_unlocked(spec)

/usr/lib/python3.10/importlib/_bootstrap_external.py in exec_module(self,
odule)

/usr/lib/python3.10/importlib/_bootstrap.py in _call_with_frames_removed(*args,
**kwargs)

~/./local/lib/python3.10/site-packages/librosa/core/audio.py in <module>
     12 import numpy as np
     13 import scipy
--> 14 import scipy.signal
     15 import soxr
     16 import lazy_loader as lazy

/usr/lib/python3/dist-packages/scipy/signal/__init__.py in <module>
    307
    308 """
--> 309 from . import _sigtools, windows
    310 from ._waveforms import *

```

```
311 from ._max_len_seq import max_len_seq
```

```
ImportError: numpy.core.multiarray failed to import
```

In []: