pip install mediapipe==0.10.14 opencv-python numpy==1.24.4

Downloading mediapipe-0.10.14-cp311-cp311-manylinux 2 17 x86 64.manylinux201 Requirement already satisfied: opency-python in /usr/local/lib/python3.11/dist Collecting numpy==1.24.4 Downloading numpy-1.24.4-cp311-cp311-manylinux_2_17_x86_64.manylinux2014_x86

Requirement already satisfied: absl-py in /usr/local/lib/python3.11/dist-packa Requirement already satisfied: attrs>=19.1.0 in /usr/local/lib/python3.11/dist Requirement already satisfied: flatbuffers>=2.0 in /usr/local/lib/python3.11/c Requirement already satisfied: jax in /usr/local/lib/python3.11/dist-packages Requirement already satisfied: jaxlib in /usr/local/lib/python3.11/dist-package Requirement already satisfied: matplotlib in /usr/local/lib/python3.11/dist-pa Requirement already satisfied: opency-contrib-python in /usr/local/lib/python3 Requirement already satisfied: protobuf<5,>=4.25.3 in /usr/local/lib/python3.1 Requirement already satisfied: sounddevice>=0.4.4 in /usr/local/lib/python3.11 Requirement already satisfied: CFFI>=1.0 in /usr/local/lib/python3.11/dist-pac Requirement already satisfied: ml_dtypes>=0.4.0 in /usr/local/lib/python3.11/c INFO: pip is looking at multiple versions of jax to determine which version is Collecting jax (from mediapipe==0.10.14)

Downloading jax-0.6.2-py3-none-any.whl.metadata (13 kB)

Collecting jaxlib (from mediapipe==0.10.14)

Downloading jaxlib-0.6.2-cp311-cp311-manylinux2014_x86_64.whl.metadata (1.3 Collecting ml_dtypes>=0.5.0 (from jax->mediapipe==0.10.14)

Downloading ml_dtypes-0.5.1-cp311-cp311-manylinux_2_17_x86_64.manylinux2014 Collecting jax (from mediapipe==0.10.14)

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Downloading numpy-1.24.4-cp311-cp311-manylinux_2_17_x86_64.manylinux2014_x86_6

- 17.3/17.3 MB 61.1 MB/s eta

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                                                  - 2.2/2.2 MB 58.9 MB/s eta 0
Downloading jaxlib-0.4.38-cp311-cp311-manylinux2014 x86 64.whl (101.8 MB)
                                                  - 101.8/101.8 MB 9.0 MB/s eta
Installing collected packages: numpy, jaxlib, jax, mediapipe
  Attempting uninstall: numpy
    Found existing installation: numpy 1.26.4
   Uninstalling numpy-1.26.4:
      Successfully uninstalled numpy-1.26.4
 Attempting uninstall: jaxlib
    Found existing installation: jaxlib 0.5.1
    Uninstalling jaxlib-0.5.1:
      Successfully uninstalled jaxlib-0.5.1
 Attempting uninstall: jax
    Found existing installation: jax 0.5.2
   Uninstalling jax-0.5.2:
      Successfully uninstalled jax-0.5.2
 Attempting uninstall: mediapipe
    Found existing installation: mediapipe 0.10.21
   Uninstalling mediapipe-0.10.21:
      Successfully uninstalled mediapipe-0.10.21
ERROR: pip's dependency resolver does not currently take into account all the
ydf 0.12.0 requires protobuf<6.0.0,>=5.29.1, but you have protobuf 4.25.8 which
thinc 8.3.6 requires numpy<3.0.0,>=2.0.0, but you have numpy 1.24.4 which is i
pymc 5.23.0 requires numpy>=1.25.0, but you have numpy 1.24.4 which is incompa
tensorflow 2.18.0 requires numpy<2.1.0,>=1.26.0, but you have numpy 1.24.4 whi
flax 0.10.6 requires jax>=0.5.1, but you have jax 0.4.38 which is incompatible
blosc2 3.4.0 requires numpy>=1.26, but you have numpy 1.24.4 which is incompat
```

xarray-einstats 0.9.0 requires numpy>=1.25, but you have numpy 1.24.4 which is orbax-checkpoint 0.11.15 requires jax>=0.5.0, but you have jax 0.4.38 which is treescope 0.1.9 requires numpy>=1.25.2, but you have numpy 1.24.4 which is inc Successfully installed jax-0.4.38 jaxlib-0.4.38 mediapipe-0.10.14 numpy-1.24.4

```
import cv2
import mediapipe as mp
import matplotlib.pyplot as plt
from IPython.display import display, clear_output

mp_face_mesh = mp.solutions.face_mesh
face_mesh = mp_face_mesh.FaceMesh(
    static_image_mode=False,
    max_num_faces=1,
    refine_landmarks=True,
    min_detection_confidence=0.5,
    min_tracking_confidence=0.5
)

mp_drawing = mp.solutions.drawing_utils
drawing_spec = mp_drawing.DrawingSpec(thickness=1, circle_radius=1)
```