Posture estimation

Posture estimation
1. Posture estimation
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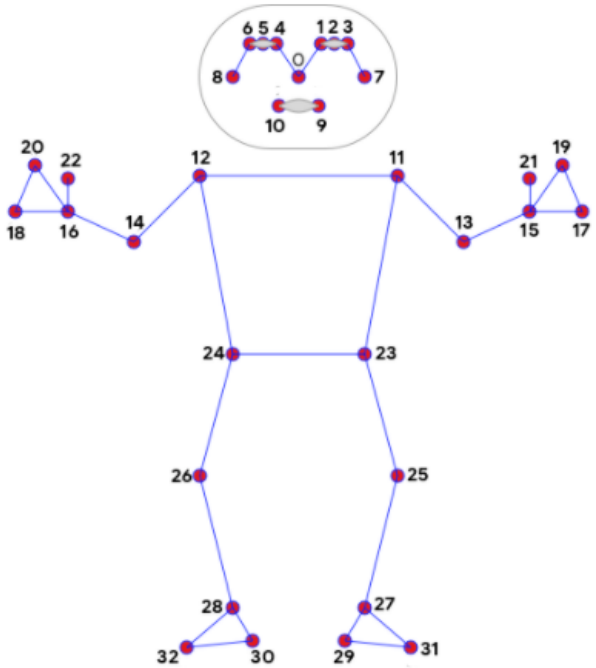
MediaPipe is a cross-platform machine learning framework that can process key point detection such as hands, faces, postures, etc. in videos and images in real time.

1. Posture estimation

MediaPipe Posture estimation can detect and track key points of the human body (such as shoulders, elbows, knees, etc.) and draw the human skeleton.



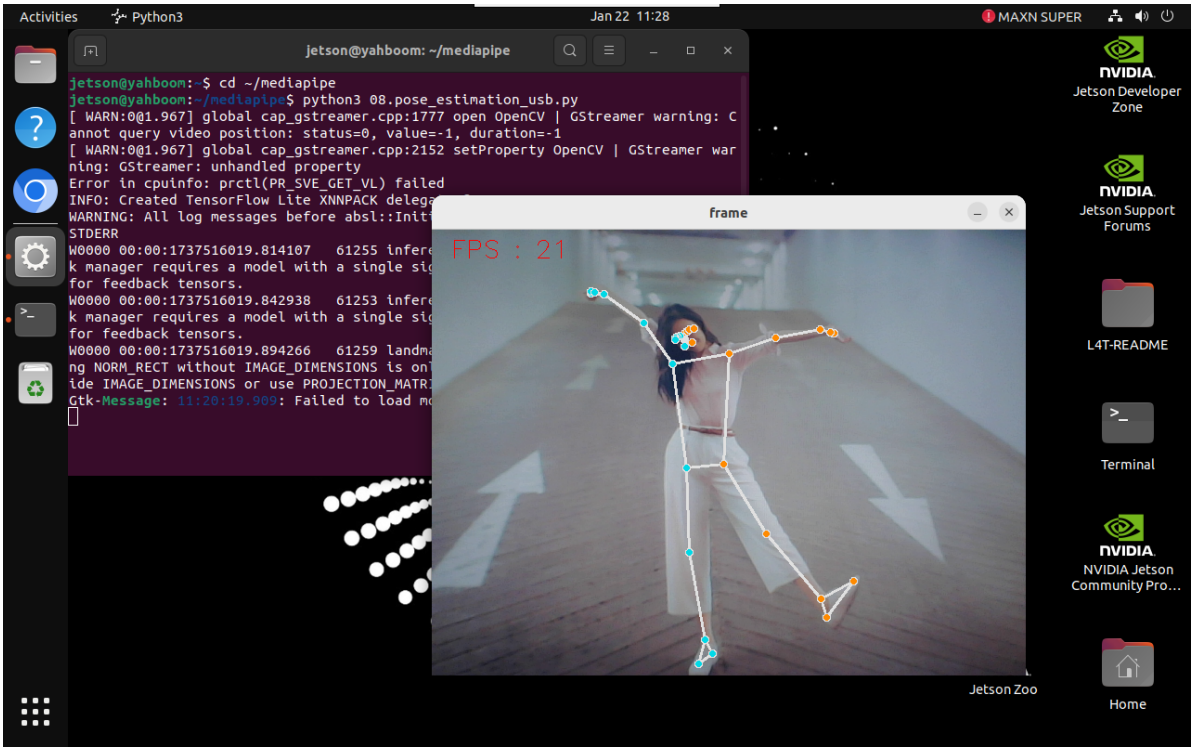
0. nose
1. left_eye_inner
2. left_eye
3. left_eye_outer
4. right_eye_inner
5. right_eye
6. right_eye_outer
7. left_ear
8. right_ear
9. mouth_left
10. mouth_right
11. left_shoulder
12. right_shoulder
13. left_elbow
14. right_elbow
15. left_wrist
16. right_wrist
17. left_pinky
18. right_pinky
19. left_index
20. right_index
21. left_thumb
22. right_thumb
23. left_hip
24. right_hip
25. left_knee
26. right_knee
27. left_ankle
28. right_ankle
29. left_heel
30. right_heel
31. left_foot_index
32. right_foot_index

2. Effect preview

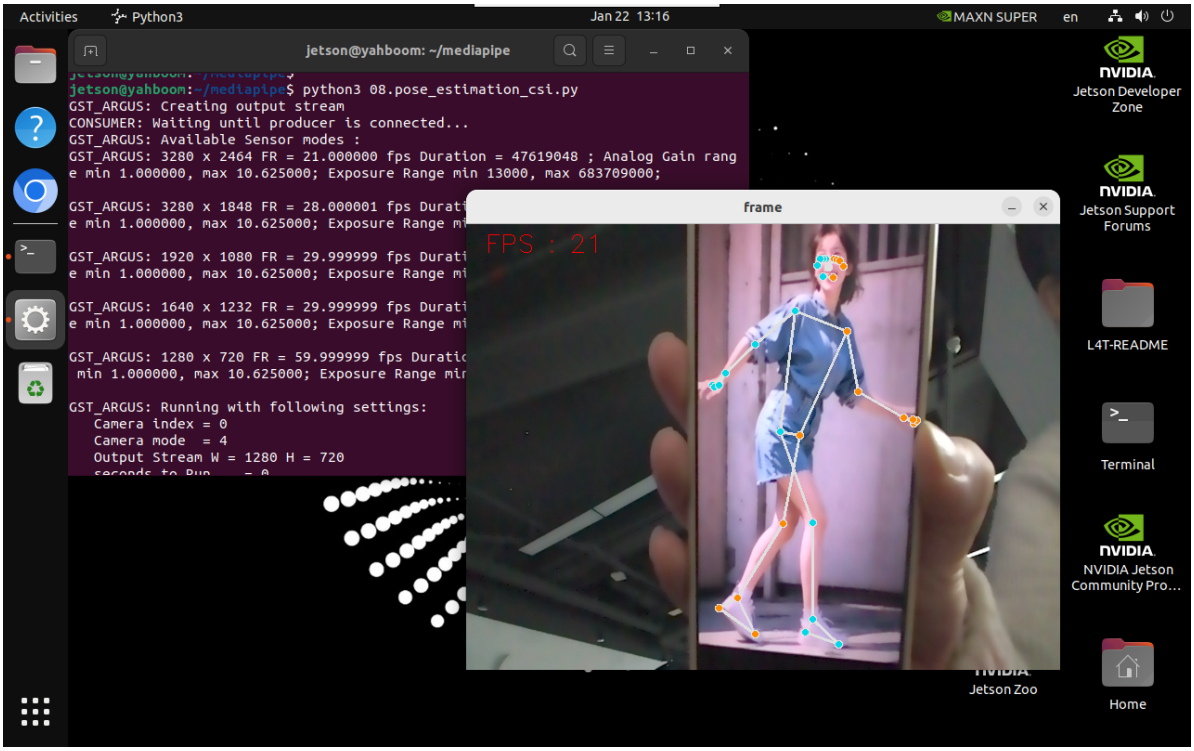
2.1. USB camera

```
cd ~/mediapipe
python3 08.pose_estimation_usb.py
```

Note: Select the camera screen and press `q` to exit the program!



2.2, CSI camera

```
cd ~/mediapipe
python3 08.pose_estimation_csi.py
```

Note: Select the camera image and press `q` to exit the program!