Posture estimation

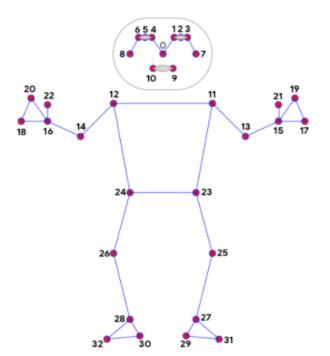
Posture estimation

- 1. Posture estimation
- 2. Effect preview
 - 2.1. USB camera
 - 2.2, CSI camera

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.



- nose
 left_eye_inner
 left_eye
- left_eye_outer
 right_eye_inner
- 5. right_eye6. right_eye_outer
- 7. left_ear8. right_ear
- 9. mouth_left
- 10. mouth_right
- 11. left_shoulder12. right_shoulder
- 13. left_elbow
- 14. right_elbow
- 15. left_wrist
- 16. right_wrist

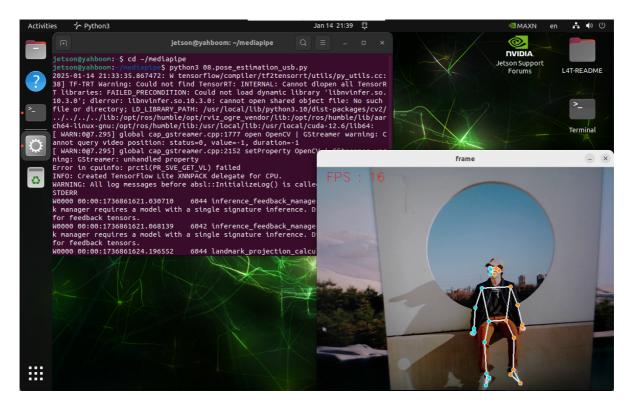
- 17. left_pinky
- 18. right_pinky
- 19. left_index
- 20. right_index
- 21. left_thumb
- 22. right_thumb
- 23. left_hip
- 24. right_hip
- 25. left_knee
- 26. right_knee
- 27. left_ankle
- 28. right_ankle 29. left_heel
- 30. right_heel
- 31. left_foot_index
- 32. right_foot_index

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!

