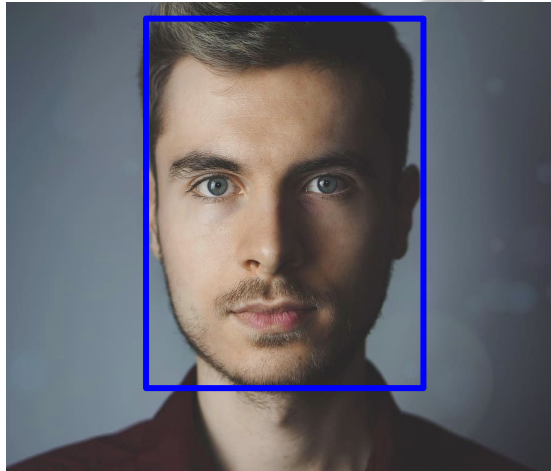


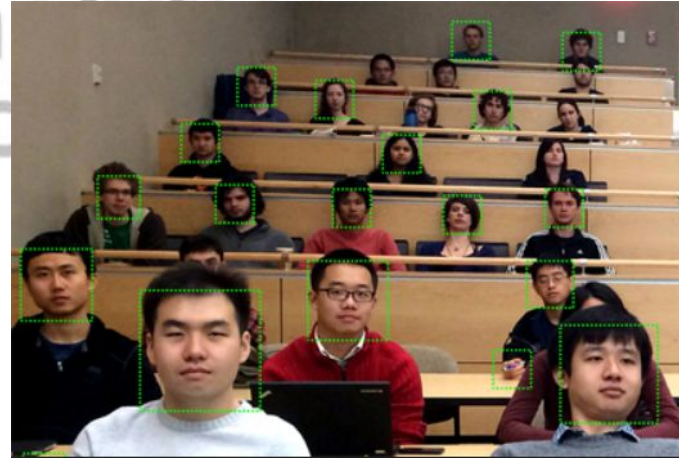
Introduction to Pose Detection

Face Detection

- A Use Case of Object Detection
- Face Detection identifies faces and their locations from an image



Single Face



Multiple Faces

Pose Detection



Source : opencv blog

Introduction to Pose Detection

- **Pose Detection:** Predicts and tracks the location of a person or object



Introduction to Pose Detection

- **Pose Detection:** Predicts and tracks the location of a person or object
- Pose detection involves -
 - Identifying and Locating object of interest



Introduction to Pose Detection

- **Pose Detection:** Predicts and tracks the location of a person or object
- Pose detection involves -
 - Identifying and Locating object of interest
 - Track key points to determine the pose



Introduction to Pose Detection

- **Pose Detection:** Predicts and tracks the location of a person or object



Single Pose Detection



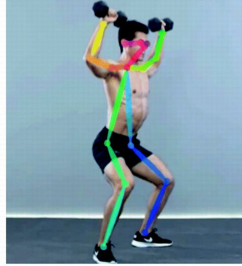
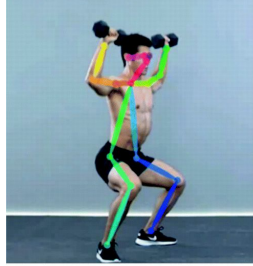
Multi Pose Detection

Applications of Pose Detection



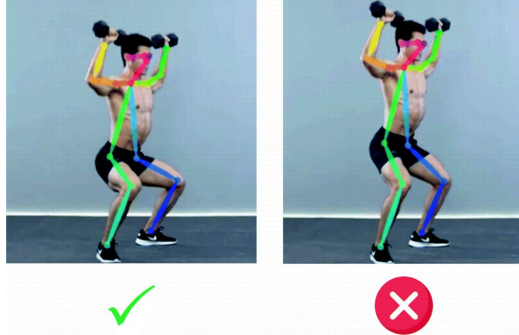
Applications of Pose Detection

Virtual Yoga
Trainer



Applications of Pose Detection

Virtual Yoga
Trainer

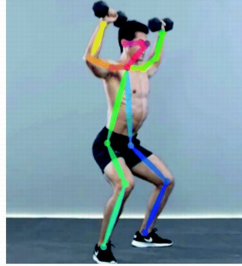
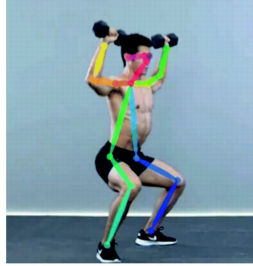


Gaming
Avatar



Applications of Pose Detection

Virtual Yoga
Trainer



Sports
Analysis

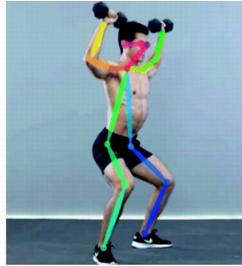
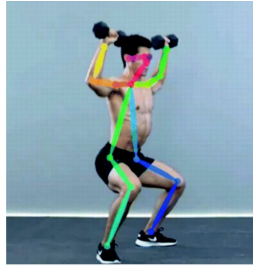


Gaming
Avatar



Applications of Pose Detection

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Sports
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Gaming
Avatar



Posture
Monitoring



Can you think of an Application?