

PoseNet介绍

Demo链接: https://storage.googleapis.com/tfjs-models/demos/posenet/camera.html

原理简介

姿势判断在上层分成两个阶段进行:

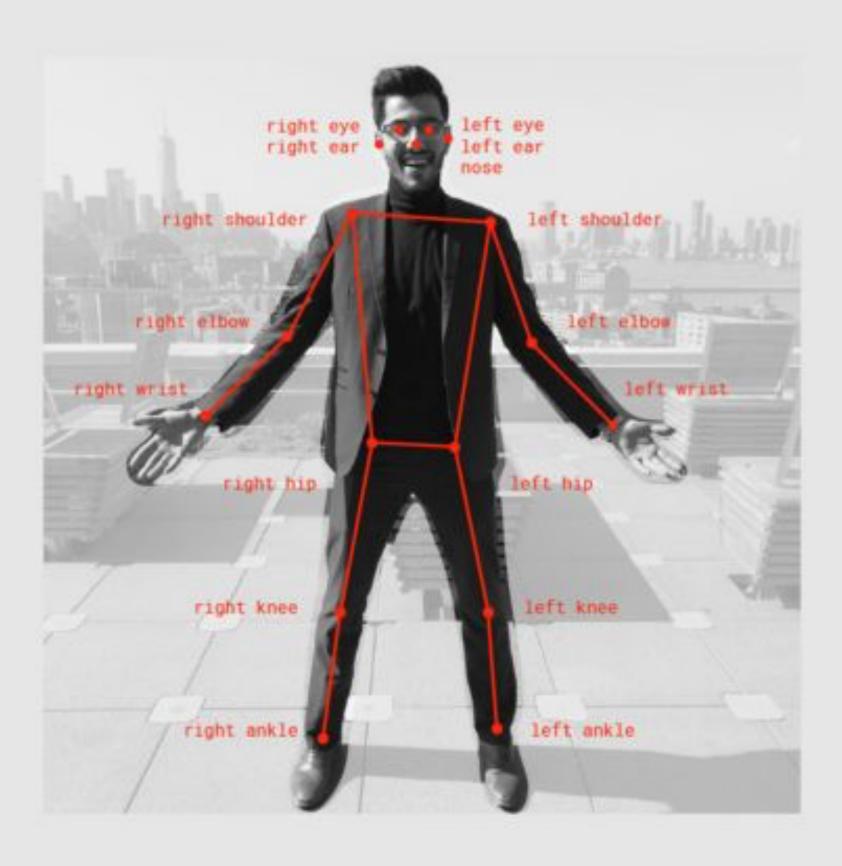
- 1. 输入 RGB 图像,通过卷积神经网络馈送。
- 2. **单一姿势或多姿势解码算法**:用于从模型输出解码姿势,姿势置信度得分, 关键点位置和关键点置信度得分。

原理简介

Single-Pose Detection Algorithm keypoint heatmap 200 mobile net offset vectors input image pose estimation . PoseNet model

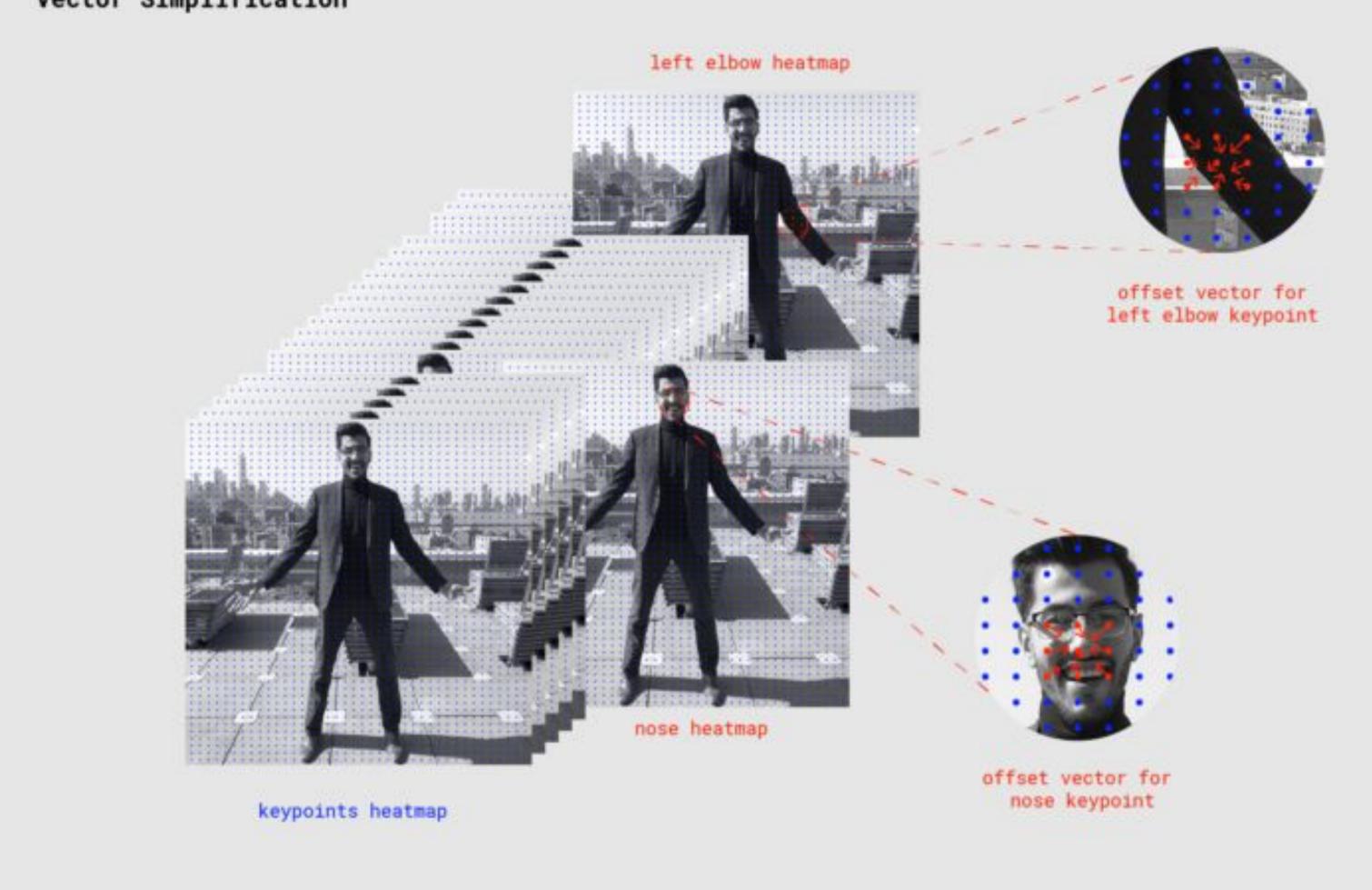
17个关键点

17 Pose Keypoints Returned by PoseNet



输出:

Heatmap and Offset Vector Simplification



更多资源

Github源码链接:

https://github.com/tensorflow/tfjs-models/tree/master/posenet

使用教程:

https://medium.com/tensorflow/real-time-human-pose-estimation-in-the-browser-with-tensorflow-js-7dd0bc881cd5