

## Simple-HRNet for Key point detection using Custom Dataset

Simple-HRNet (key point detection) is an unofficial implementation of the paper Deep High-Resolution Representation Learning for Human Pose Estimation. The code is a simplified version of the official code with the ease-of-use in mind.

However, the default prediction result is generated only in CSV or JSON file format. In this scenario, I implemented the prediction result in image (PNG) format. In the Simple-HRNet source code, I modified some code to get the prediction result in PNG file format.

- ✧ Here is some part of modification in train.py. Please check a [train.py python code](#) in my GitHub.
- ✧ Here is also modified in visualization.py. Please check a [visualization.py python code](#) in my GitHub.
- ✧ Additionally, I created a [Simple-HRNet Docker file](#) for Simple-HRNet for key point detection.

This is my simple-HRNet code in github:  
[https://github.com/thanthanswe-github/Simple\\_HRNet/blob/main/Dockerfile](https://github.com/thanthanswe-github/Simple_HRNet/blob/main/Dockerfile)

### Result Image:



Fig 1: Two persons with car (testing) image.

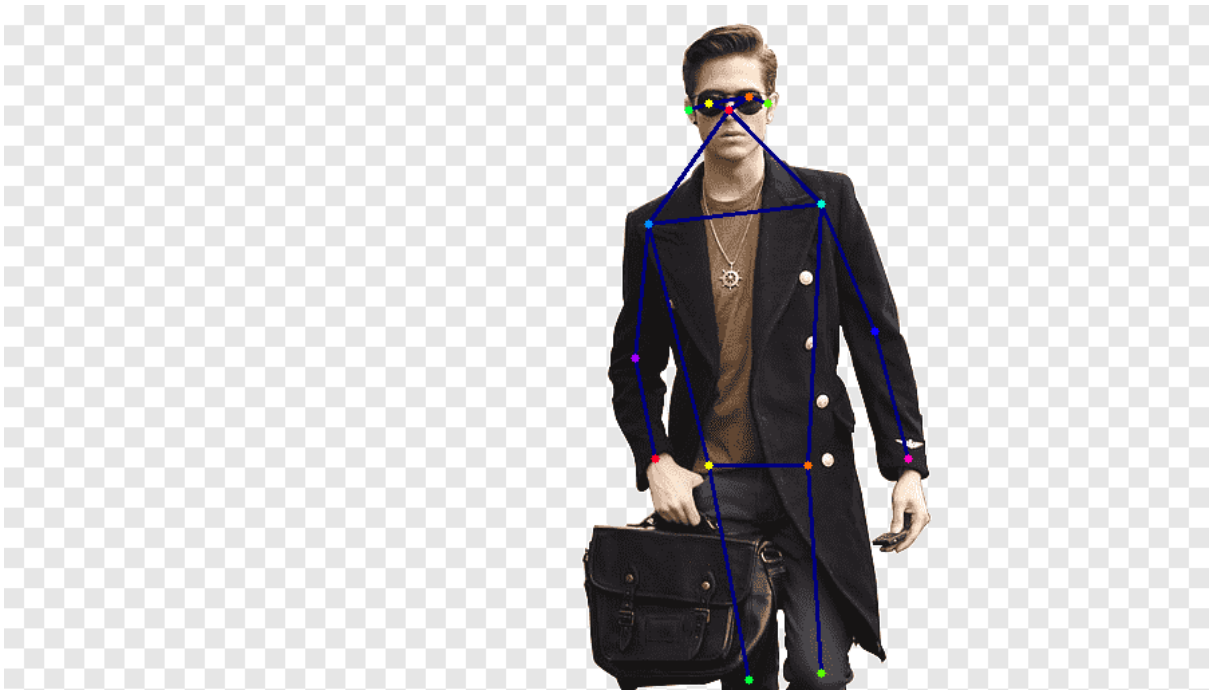


Fig2: A person with handbag (testing) image.

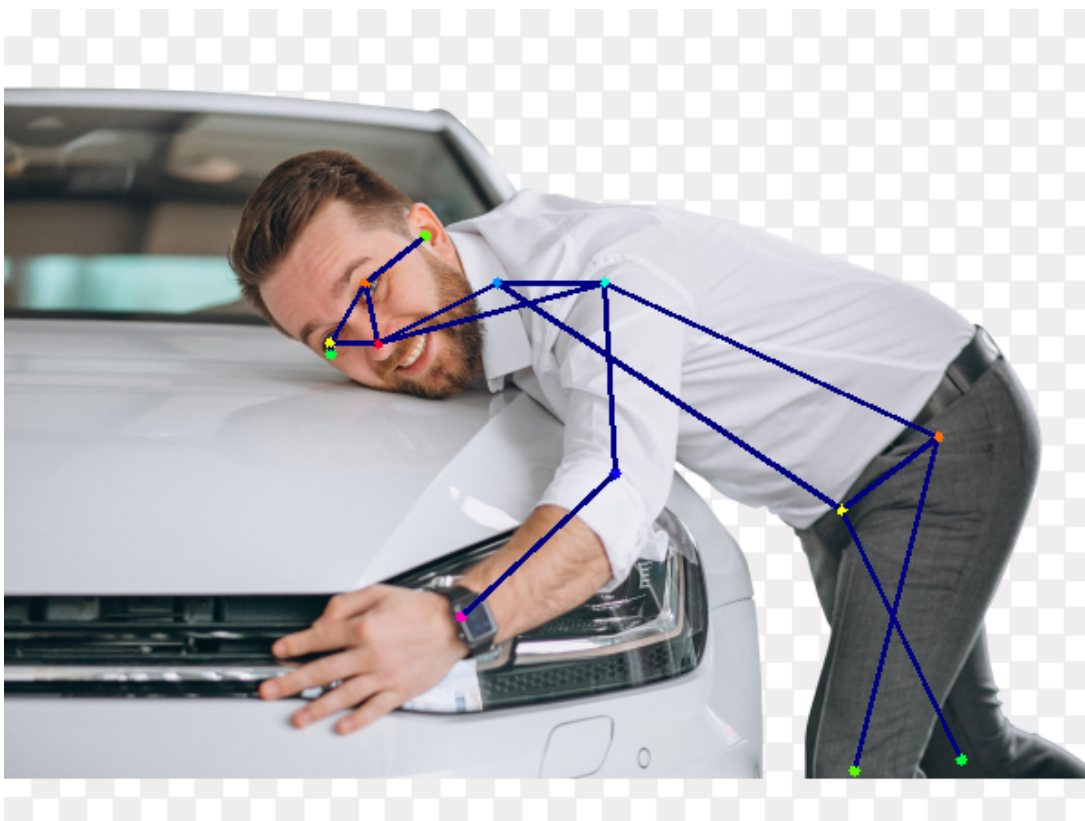


Fig 3: A person with car (testing) image.



Fig4: A worker on the ladder (real-time) tested image.



Fig5: A worker working on the box (real-time) tested image.