

Report on dataset and initial analysis

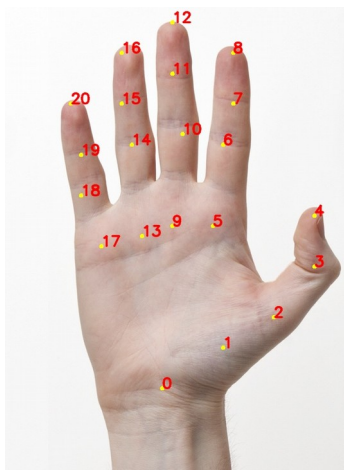
- There's no need for a dataset to be provided as we are using a pre-trained model.
- The hand key-pointing is done using OpenCV by handPose.py. The input is either a video or an image. Initial testing will be done with images.
- Initially a video will be uploaded to set a hand gesture as a password and then we will cross check with the video to verify which user is attempting to access. We have yet to figure out how to handle (compare) the recorded (initially set) gesture and the gesture that we have to check with.
- Initial Progress has been made on an image hand keypointing.

Example:

- Input hand image:



- Output keypoints



- Output Skeleton and network:

