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- Install dlib
- Install OpenCV and Deep Learning development with Python
- Setting up OpenCV + CUDA for deep learning on GCP

### Development Tools

- Streamlit - The fastest way to build custom ML tools
- DataExplore - Application for plotting and analyzing tabulated data

### OpenCV Tutorial

- Ubuntu 18.04: Install TensorFlow and Keras for Deep Learning
- OpenCV 3 Tutorials, Resources, and Guides
- How to install OpenCV 4 on Ubuntu
- Deep Learning with OpenCV
  Image Classification with GoogLeNet

### Custom dataset

- How to build a custom face recognition dataset
- https://github.com/hardikvasa/google-images-download
- How to create a deep learning dataset using Google Images

### Image Classification

- k-NN classifier for image classification
- Image classification with Keras and deep learning
- Deep learning, hydroponics, and medical marijuana - ??????????
  - ? Keras + Train CNN
- Keras Tutorial: How to get started with Keras, Deep Learning, and Python
  1. Installing Keras and other dependencies on your system
  2. Loading your data from disk
  3. Creating your training and testing splits
  4. Defining your Keras model architecture
  5. Compiling your Keras model
  6. Training your model on your training data
  7. Evaluating your model on your test data
  8. Making predictions using your trained Keras model

### Object detection

- A gentle guide to deep learning object detection
- Object detection with deep learning and OpenCV
- Histogram of Oriented Gradients and Object Detection

### Face recognition

With dlib

- Face recognition with OpenCV, Python, and deep learning
- https://github.com/ageitgey/face_recognition
- Face detection and recognition using OpenFace on Ubuntu 16.04 PC and Raspbian Jessie Raspberry Pi 3
- Face Alignment with OpenCV and Python

With dnn library (deep neurak network)

- Face detection with OpenCV and deep learning
  Deep learning face detector is based on the Single Shot Detector (SSD) framework with a ResNet base network.
- OpenCV Face Recognition
  1. Detect faces
  2. Compute 128-d face embeddings to quantify a face
  3. Train a Support Vector Machine (SVM) on top of the embeddings
  4. Recognize faces in images and video streams
- Deep learning: How OpenCV's blobFromImage works

### Face landmarks

- Facial landmarks with dlib, OpenCV, and Python
- Real-time facial landmark detection with OpenCV, Python, and dlib
- Eye blink detection with OpenCV, Python, and dlib
- Drowsiness detection with OpenCV

### Breaking Captcha

- ????OpenCV ??????????????????(Captcha) (Part 1)
- CAPTCHA OCR ???? - ?????
- python3????????tesserocr?pytesseract
- Using Tesseract OCR with Python

### PyImageSearch Tutorials

- Keras – Save and Load Your Deep Learning Models
- Deep Learning and Medical Image Analysis with Keras
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