

Prerequisite

- Python version should be 3.0+. Check your python version. Open an terminal and type in python --version. If you only have 2.7 installed. Install python 3.0+. From <https://www.python.org/downloads/mac-osx/>. Here is a useful guide: <http://docs.python-guide.org/en/latest/starting/install3/osx/>
- Install the latest Anaconda. Here is a useful guide: <https://conda.io/docs/user-guide/install/index.html>
- To connect to google cloud platform you need to Install mysql. Open an terminal and use pip3 install mysql
- Install tensorflow. Open terminal and pip3 install tensorflow
- Install prettytensor. Open terminal and pip3 install prettytensor
- Install keras. Open terminal and pip3 install keras
- Download TensorFlow-Tutorials-master from from <https://github.com/Hvass-Labs/TensorFlow-Tutorials>. After downloading, uncompress all the files.
- Download helper.py from https://github.com/lishahan/CSYE7245_2018Spring/tree/master/FinalProject and put it in TensorFlow-Tutorials-master folder.
- Download data from this shared link https://drive.google.com/file/d/1NAJislaACkY0cw8HpINT_b1nc0vroBbj/view?usp=sharing ,uncompress it and put it in TensorFlow-Tutorials-master folder.
- Download cifar10 from <https://www.cs.toronto.edu/~kriz/cifar.html>, uncompress it and put the folder in TensorFlow-Tutorials-master folder.
- Create google cloud platform account and link your credit card.
- Create instance on google cloud platform.
- Create a database named ImageLabel under the instance.
- Download google platform sdk and install it here is an useful guide: <https://cloud.google.com/sdk/downloads>. Initialize and authorize by open terminal and type in gcloud init.
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