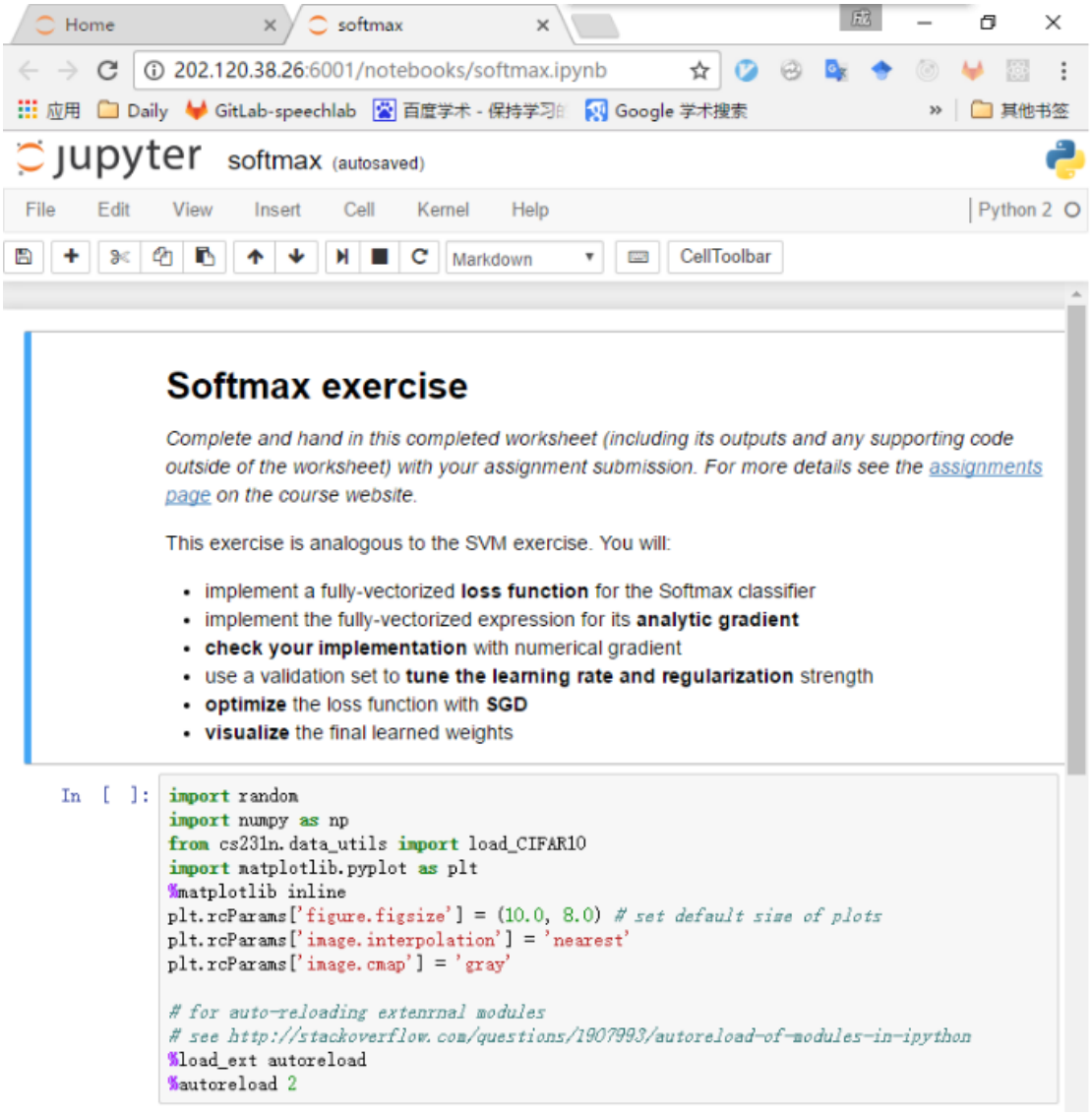
上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

DL Assignments

How to download assignments:

- https://github.com/caodi0207/Deep-Learning-Course-2017
  - I suggest you to watch this repo.
  - New assignments will be uploaded to this repo alongside with course going.

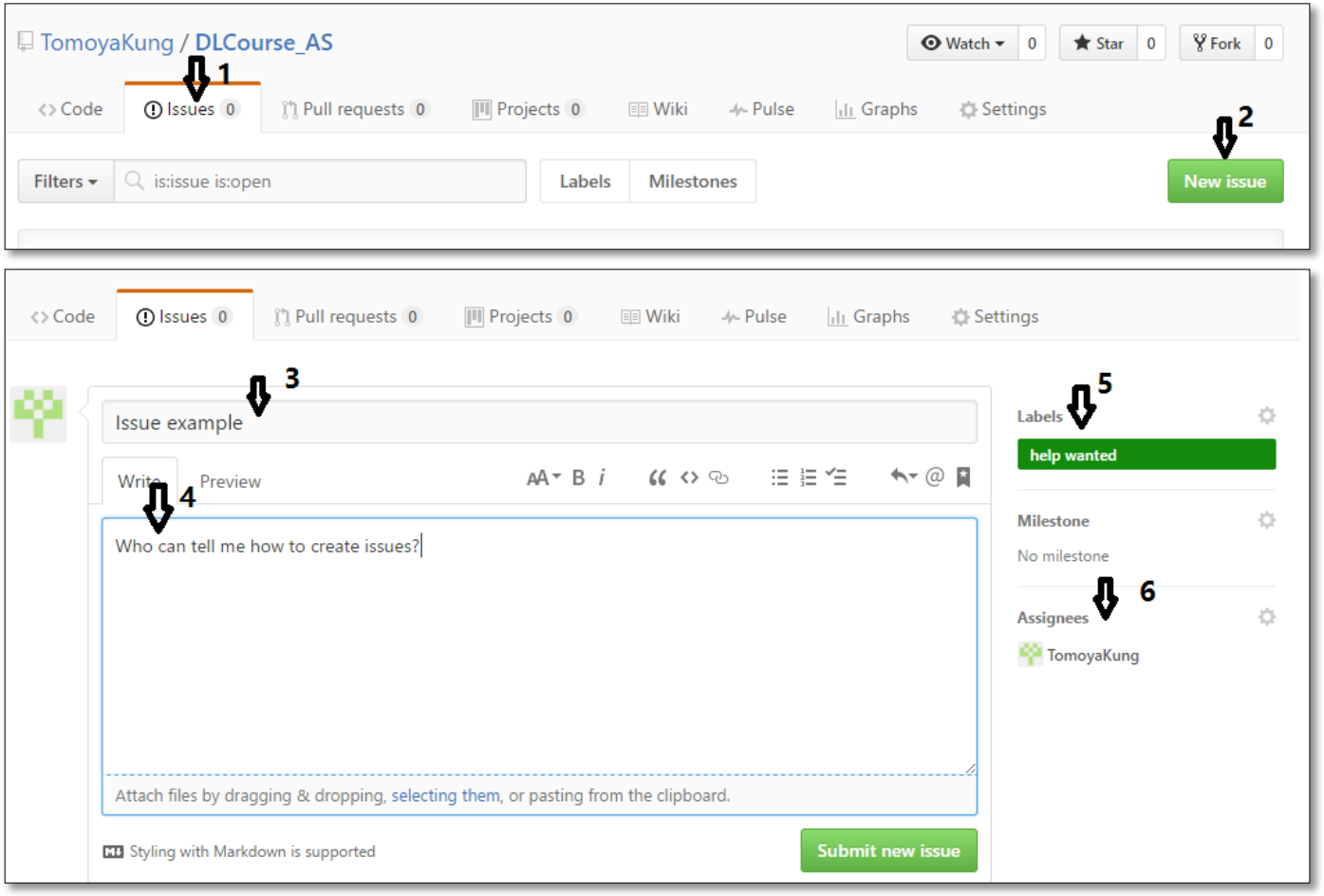
- There is a README about how to setup your workspace.


Home
softmax
202.120.38.26:6001/notebooks/softmax.ipynb
应用
Daily
GitLab-speechlab
百度学术 - 保持学习
Google 学术搜索
其他书签
jupyter softmax (autosaved)
File Edit View Insert Cell Kernel Help
Python 2
Markdown
CellToolbar
Softmax exercise
Complete and hand in this completed worksheet (including its outputs and any supporting code outside of the worksheet) with your assignment submission. For more details see the assignments page on the course website.
This exercise is analogous to the SVM exercise. You will:
implement a fully-vectorized loss function for the Softmax classifier
implement the fully-vectorized expression for its analytic gradient
check your implementation with numerical gradient
use a validation set to tune the learning rate and regularization strength
optimize the loss function with SGD
visualize the final learned weights
In [ ]:
import random
import numpy as np
from cs231n.data_utils import load_CIFAR10
import matplotlib.pyplot as plt
%matplotlib inline
plt.rcParams['figure.figsize'] = (10.0, 8.0) # set default size of plots
plt.rcParams['image.interpolation'] = 'nearest'
plt.rcParams['image.cmap'] = 'gray'
for auto-reloading extenrnal modules
see http://stackoverflow.com/questions/1907993/autoreload-of-modules-in-ipython
%load_ext autoreload
%autoreload 2

How to submit:

- Please name your assignments with: ‘StudentID-StudentName-AssignmentID.zip’.
  - For example, the second assignment submission of one student may be: ‘12345-小明-as2.zip’.
- Submit your zip files to: ‘ftp://202.120.38.125’. Public account: dl2017/dl2017.
  - Be careful to upload to corresponding folder.

Discuss and Q&A



Discuss and Q&A

- If you encounter any troubles or find any bugs, feel free to discuss and help others in those issues.

- Contact me:
  - caodi0207@sjtu.edu.cn