Machine Learning and Transportation, Shanghai University Engineering Science

Software and Account Setting before First Class

1. Python Anaconda Setup

Go to https://www.anaconda.com/distribution/

Pull down to Anaconda 2019.10 for Windows Installer. Choose the operating system in your computer Windows, macOS, or Linux. Select Python 3.7 version, 64-Bit Graphical Installer. Download Anaconda installation application. After download, double click to install Anaconda in your computer.

Review: Top 20 Python libraries for data science in 2018: https://medium.com/activewizards-machine-learning-company/top-20-python-libraries-for-data-science-in-2018-2ae7d1db8049

2. Git Setup

Install Git from https://git-scm.com/downloads

3. Set up a Github Account

Go to www.github.com to set up your account if you don't have a Github account yet. We will use Github to download popular machine learning study materials and projects, as well as turn in your projects in Github.

4. Install Sublime Text

Go to http://sublimetextcn.com/. Click "Download for Windows 64bit" and install it.

We will learn how to edit Markdown document in Sublime Text for your project writeup.

5. Computer and Internet

Bring your computer every class and make sure internet is available.

6. Book and Materials

We will use "Python 机器学习及实践：从零开始通往 Kaggle 竞赛之路" by 范淼 & 李超 as our class conference book. The python codes in this book will be used in class. The code can be downloaded from https://github.com/godfanmiao/DIY_ML_Systems_with_Python_1st_Edition. Try to use Git to download it instead of downloading directly from Github website. Under Git and the directory you want the downloaded folder to be located at, type
"git clone https://github.com/godfanmiao/DIY_ML_Systems_with_Python_1st_Edition". You can buy this book from website if necessary.

See You All in Class!

Peter Chen 12/5/2019

Project Options:

https://github.com/udacity/machine-learning/tree/master/projects