《机器学习》课程实践环境配置

1. 安装Python3.7，python-3.7.1rc1-amd64
2. 安装pycharm， pycharm-community-2021.3.1
3. 安装anaconda，

https://mirrors.tuna.tsinghua.edu.cn/anaconda/archive/

https://repo.anaconda.com/archive/

1. 建立虚拟环境ML ，Anaconda Navigator可视化创建，或Anaconda Prompt ：

conda create -n ML python=3.7

1. 新增清华镜像源：

https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/free/

https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/main/

https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud/conda-forge/

1. 安装NumPy conda activate ML conda install numpy=1.19.5
2. 安装Pandas conda install pandas
3. 安装Matplotlib conda install matplotlib
4. 安装OpenCV，手工下载清华镜像源opencv-python的whl文件。

https://pypi.tuna.tsinghua.edu.cn/simple/opencv-python/

pip install opencv\_python-4.2.0.32-cp37-cp37m-win\_amd64.whl

1. 安装Scikit learn conda install scikit-learn
2. 安装WordCloud conda install wordcloud
3. 安装Jieba conda install jieba
4. 安装PIL conda install pillow
5. 安装TensorFlow pip install tensorflow==2.6

tensorflow-2.6.0-cp37-cp37m-win\_amd64.whl