



# 数据挖掘

# Data Mining

主讲: 张仲楠 教授





# Python基础实验一





#### **Anaconda**

实验任务

结果提交

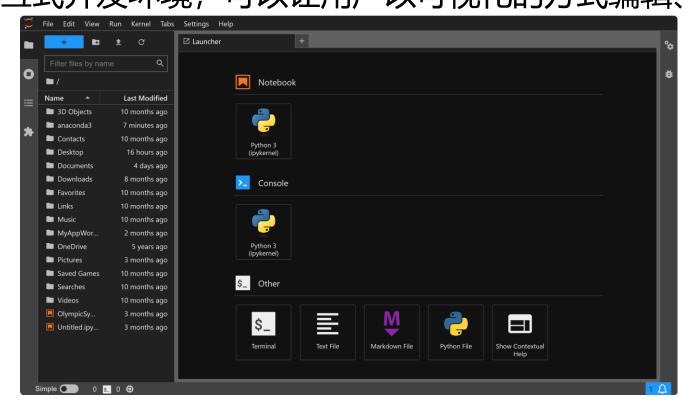
- ■Anaconda,中文大蟒蛇,是一个开源的Python发行版本,其包含了conda、Python等180多个科学包及其依赖项结合
- ■安装: https://docs.anaconda.com/free/anaconda/install/



#### **JupyterLab**

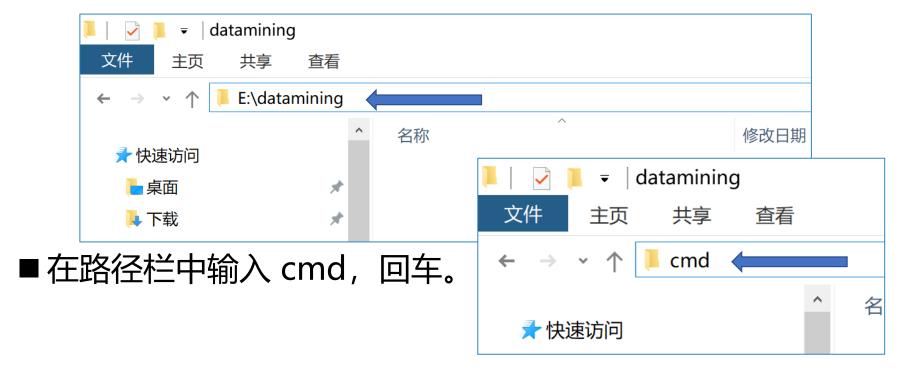
■ JupyterLab 是 Jupyter Notebook 的下一代用户界面。它是一个基于 Web的交互式开发环境,可以让用户以可视化的方式编辑、运行和分

享代码。



#### **JupyterLab**

- ■选定要存放Jupyter源文件的目录(比如: E:\datamining)。
- ■在文件资源管理器中打开该目录。



#### **JupyterLab**

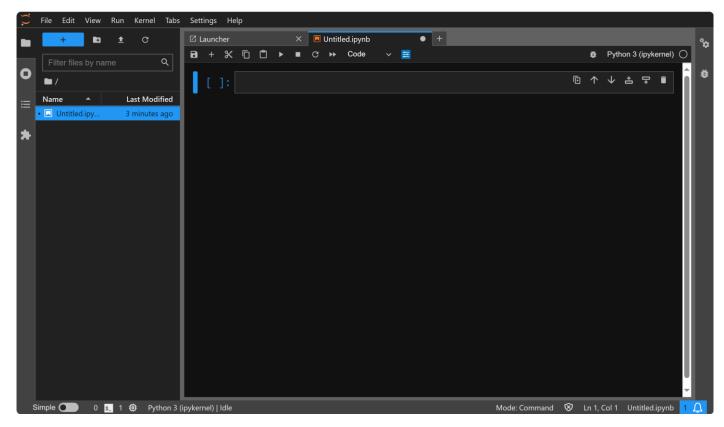
- ■在弹出的界面光标处输入 jupyter lab, 回车。
- ■服务启动成功,浏览器中出现JupyterLab界面。

```
C:\Windows\System32\cmd.exe - jupyter lab
                                                                                             Microsoft Windows [版本 10.0.19045.4046]
(c) Microsoft Corporation。保留所有权利。
 \datamining>jupyter lab
  2024-03-04 16:46:01.635 ServerApp Package jupyterlab took 0.0000s to import
 2024-03-04 16:46:01.641 ServerApp Package jupyter_server_fileid took 0.0056s to import
 2024-03-04 16:46:01.660 ServerApp] Package jupyter server terminals took 0.0190s to import
 2024-03-04 16:46:01.775 ServerApp] Package jupyter_server_ydoc took 0.1141s to import
 2024-03-04 16:46:01.776 ServerApp] Package nbclassic took 0.0000s to import
W 2024-03-04 16:46:01.780 ServerApp] A jupyter server extension points function was not found
in nbclassic. Instead, a `_jupyter_server_extension_paths` function was found and will be used for
now. This function name will be deprecated in future releases of Jupyter Server.
[I 2024-03-04 16:46:01.781 ServerApp] Package notebook_shim took 0.0000s to import
[W 2024-03-04 16:46:01.781 ServerApp] A `_jupyter_server_extension_points` function was not found
in notebook_shim. Instead, a `_jupyter_server_extension_paths` function w<u>as found and will be use</u>
for now. This function name will be deprecated in future releases of Jupyter Server.
I 2024-03-04 16:46:03.711 ServerApp] Package panel.io. jupyter server extension took 1.9287s to i
I 2024-03-04 16:46:03.718 ServerApp] jupyter_server_fileid | extension was successfully linked.
  2024-03-04 16:46:03.726 ServerApp] jupyter server terminals | extension was successfully linked
 2024-03-04 16:46:03.733 ServerApp] jupyter_server_ydoc | extension was successfully linked.
 2024-03-04 16:46:03.744 ServerApp] jupyterTab | extension was successfully linked.
 2024-03-04 16:46:03.756 ServerApp] nbclassic extension was successfully linked.
 2024-03-04 16:46:04.278 ServerApp] notebook_shim | extension was successfully linked.
  2024-03-04 16:46:04.278 ServerApp] panel.io.jupyter server extension | extension was successful
  linked.
  2024-03-04 16:46:04.509 ServerApp] notebook shim | extension was successfully loaded.
   024-03-04 16:46:04.509 FileIdExtension] Configured File ID manager: ArbitraryFileIdManager
              [6:46:04.510 FileIdExtension] ArbitraryFileIdManager : Configured root dir: E:/data
```

#### **JupyterLab**

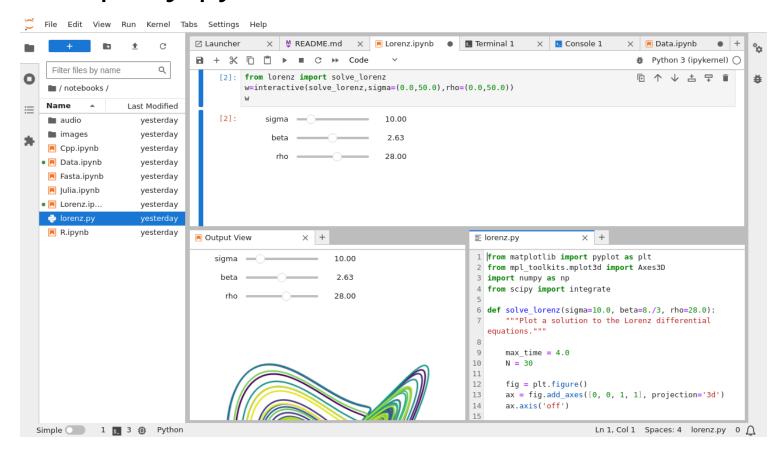
■点击JupyterLab界面中的 Notebook 下的 Python 3图标。





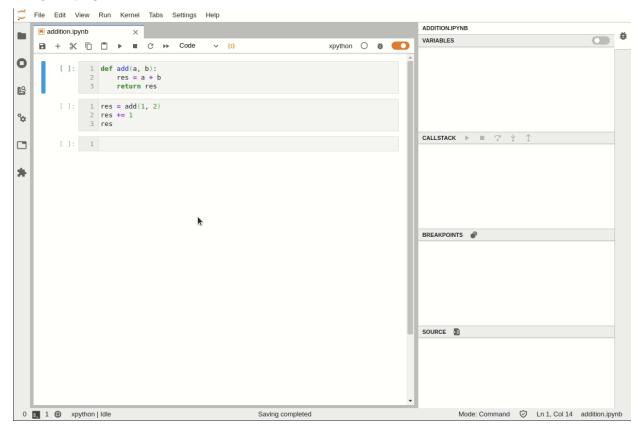
#### **JupyterLab**

■ 在线帮助: https://jupyterlab.readthedocs.io/en/stable/



#### **JupyterLab**

■ Debug: https://jupyterlab.readthedocs.io/en/stable/user/debugger.html







#### **Anaconda**

实验任务

结果提交

### 2.实验任务

#### 自主学习

- ■1.1 Python介绍
- ■1.2 常见数据结构和基本语句
- ■1.3 函数和模块
- ■1.4 异常处理
- ■1.5 文件读写

## 2.实验任务

#### 实验作业

■完成"学号-姓名 python基础实验1.ipynb"中的实验作业





#### **Anaconda**

实验任务

结果提交

### 3.结果提交

#### 提交要求

- ■补充"学号-姓名 python基础实验1.ipynb"文件名中的完整学号与完整姓名
- ■在该文件中将实验结果(代码或解释)补充完整
- ■在Int课程平台中提交该文件
- ■截至时间: 2024.03.14 00:00
- ■请注意:不接收迟交作业!要独立完成,不允许抄袭!