



RC bootcamp RC bootcamp (Reservoir computing; RC) RC RC

Jupyter Notebook

Python Jupyter Notebook Python Jupyter Notebook Python Jupyter Notebook Python Jupyter Notebook

1. Google Colaboratory + Google Drive (RC: 1)

Google Colaboratory (Colab) Jupyter Notebook Jupyter Notebook Jupyter Notebook Jupyter Notebook

Google Drive Google Drive Google Drive Google Drive

Google Drive Google Drive Google Drive Google Drive

1.

0. Google Google
1. RC bootcamp (zip) zip
2. Google drive Google drive
3. .ipynb notebook
4. Shift+Enter Shift+Enter
5. drive.mount("/content/gdrive") if False: if True: Google Drive Google Drive (%cd /content/gdrive/My Drive/...)
6. Google Drive Google Drive

5. Google Drive

2. uv + VSCode (RC: 1)

uv VSCode VSCode VSCode (VSCode)

Step 1. uv安装

uv 通过Python的包管理器安装（conda或pip的uv安装命令）或通过直接安装文件安装

Linux\MacOS安装

通过直接安装文件安装

```
curl -LsSf https://astral.sh/uv/install.sh | sh
```

```
uv help
```

通过直接安装文件安装

Windows安装

PowerShell安装（通过Windows PowerShell或Windows PowerShell Core安装）

```
powershell -ExecutionPolicy ByPass -c "irm https://astral.sh/uv/install.ps1 | iex"
```

```
uv help
```

通过直接安装文件安装

Step 2. VSCode安装

Visual Studio Code (VSCode) Microsoft的IDE。通过直接安装文件安装或通过code命令安装（Windows或PowerShell）。

```
code PATH_TO_DIR
```

VSCode安装完成后，通过Extensions安装uv插件。在.vscode/extensions.json文件中添加VSCode插件的ID。

Step 3. 安装

通过VSCode安装UV插件。按Ctrl+Shift+@打开扩展商店。

```
uv sync
```

uv.lock文件位于.venv目录下。通过Python安装Python插件后，通过直接安装文件安装

Ctrl+Shift+P Python: Select Interpreter (Python (.venv)) .ipynb Select Kernel Python Kernel

VSCode Linux MacOS

```
source .venv/bin/activate  
Windows  
.venv\Scripts\activate
```

Step 4. VSCode (设置)

Ruff Python Linting VSCode .vscode/settings.json

```
{  
    "notebook.output.wordWrap": true,  
    "[python)": {  
        "editor.formatOnSave": true,  
        "editor.codeActionsOnSave": {  
            "source.fixAll": "explicit",  
            "source.organizeImports": "explicit"  
        },  
        "editor.defaultFormatter": "charliermarsh.ruff"  
    },  
    "notebook.formatOnSave.enabled": true,  
    "notebook.codeActionsOnSave": {  
        "notebook.source.fixAll": "explicit",  
        "notebook.source.organizeImports": "explicit",  
    },  
    "jupyter.notebookFileRoot": "${fileDirname}",  
}
```