



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

## Jupyter Notebook

Python Jupyter Notebook Python Jupyter Notebook

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

Google Colaboratory (Colab) Jupyter Notebook Jupyter Notebook

( numpy matplotlib )

https://rc-bootcamp.github.io/ Colab

**Google Drive** Google Drive

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

5. Google Drive

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### 2. uv + VSCode (RC: 1)

uv 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. 配置

通过VSCode的命令面板（**Ctrl+Shift+@**）配置uv插件。

```
uv sync
```

```
uv.lock .venv
```

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}",  
}
```