



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

## Jupyter Notebook

Python Jupyter Notebook

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

Google Colaboratory (Colab) Jupyter Notebook Google Drive (numpy matplotlib) Colab Google Drive

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

5. Google Drive

### 2. uv + VSCode (Google: Colab)

uv VSCode

Step 1. uv

uv 『python』をインストールするには、  
コンダ（conda）（conda uv）をダウンロードする  
必要があります。

Linux Mac OS

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

uv help

## Windows

PowerShell (Windows PowerShell) Windows PowerShell

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

uv help

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## Step 2. VSCode

Visual Studio Code (VSCode) Microsoft IDE 代码编辑器  
code 代码编辑器 (Windows PowerShell)

```
code PATH_TO_DIR  
VSCode... .vscode/extensions.json
```

Step 3. □□□□□□□

VSCode Ctrl+Shift+@

□ .venv )□□□□□□□ .ipynb □□□□□□□□□□□□□□□□□□□ Select Kernel □□□□Python Kernel□□□□□□□□□□□

VSCode Linux MacOS

```
source .venv/bin/activate
```

.venv\Scripts\activate

#### Step 4. 安装VSCode (Windows)

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}",
}
```