

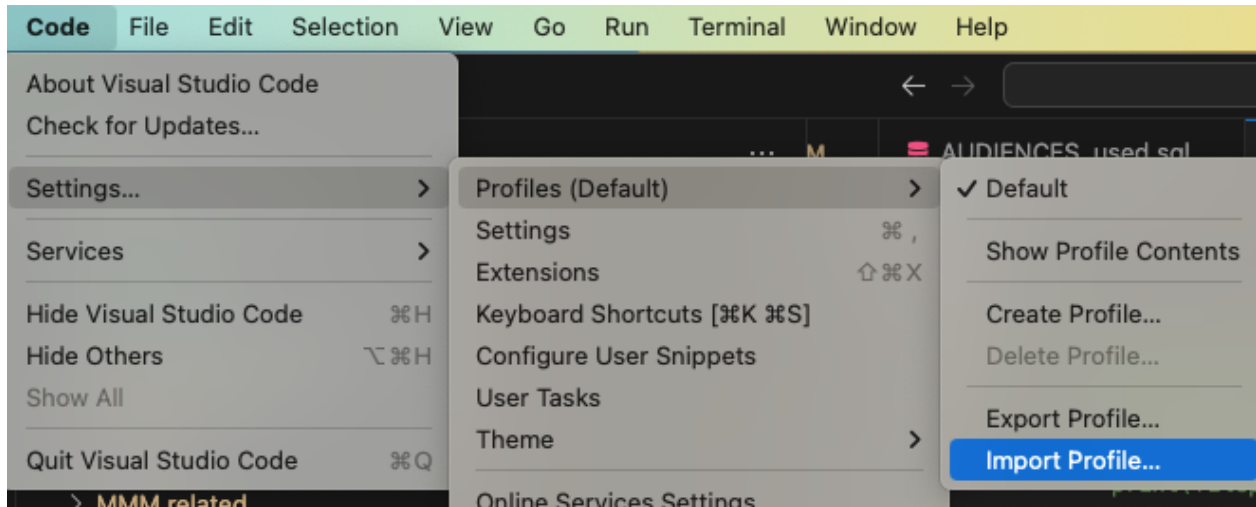
VSCode Productivity Setup

Table of Contents

Recommended Extensions for VSCode	1
Python + DataScience	1
Git	2
SQL and DBT	2
Docker	2
Theme + Formatting (these make VSCode MUCH MUCH better)	2
Other extensions (I have installed + disabled but can be useful)	2
settings.json file:	3
Running Python in VSCode	3
VSCode Keyboard Shortcuts	4

Recommended Extensions for VSCode

You don't need to search for the below packages, you can import the profile instead:



Python + DataScience

IntelliCode

"Python" (comes with: "Pylance", "Python Debugger", "Python Environment Manager", "Python Extension Pack")

"Jupyter" + (comes with: "Jupyter Cell Tags", "Jupyter Keymap", "Jupyter Notebook Renderers", "Jupyter Slide Show")

"autoDocstring - Python Docstring Generator"

"R"

"isort" (sorts python imports at the top when you save)

Git

"GitLab Workflow"

"Git History"

"Git Graph"

"Jira and Bitbucket"

SQL and DBT

"vscode-dbt"

"dbt Power User"

"PostgreSQL"

Docker

Docker + "Dev Containers"

Remote - SSH

Remote - SSH: Editing Configuration Files

Remote Explorer

Theme + Formatting (these make VSCode MUCH MUCH better)

"One Dark Pro (theme)"

"Rainbow CSV"

"Prettify JSON"

"markdownlint"

"YAML"

"Python Indent"

"Django"

"Jinja"

"Better Jinja"

Other extensions (I have installed + disabled but can be useful)

"SQLTools"

"BigQuery Driver for SQLTools"

"dbt-bigquery-preview"

"BigQuery Runner"

"SQLTools PostgreSQL/Cockroach Driver"

settings.json file:

1. Make sure Iterm2 is installed
2. Edit 2nd line (`terminal.integrated.shell.osx`) to match your shell (bash/zsh/fish)
3. Edit the font to one you have installed (`terminal.integrated.fontFamily`) Download one of the Meslo Fonts:

<https://github.com/ryanoasis/nerd-fonts/tree/master/patched-fonts/Meslo> and use that

```
{
  "terminal.external.osxExec": "Iterm.app",
  "terminal.integrated.shell.osx": "/opt/homebrew/bin/fish",
  "terminal.integrated.fontFamily": "MesloLGS Nerd Font Mono",
  "[python]": {
    "editor.formatOnType": true
  },
  "redhat.telemetry.enabled": true,
  "notebook.lineNumbers": "on",
  "terminal.integrated.inheritEnv": false,
  "git.autofetch": true,
  "emmet.syntaxProfiles": {},
  "files.exclude": {
    "{**/.git,*.git}": true,
    "**/.git": false
  },
  "[jinja-sql]": {
    "editor.defaultFormatter": "innoverio.vscode-dbt-power-user"
  },
  "[sql]": {
    "editor.defaultFormatter": "innoverio.vscode-dbt-power-user"
  },
  "django.snippets.exclude": [
    "cms",
    "wagtail"
  ],
  "sqltools.useNodeRuntime": true,
  "git.confirmSync": false,
  "explorer.autoReveal": false
}
```

Running Python in VSCode

1. (CMD + SHIFT + P) then select your conda environment (where jupyter, and python are installed)
2. Create file as either "file1.py" (recommended) or "file1.ipynb" (legacy) as the file extension so VSCode knows how to handle it.
3. If ".py" extension:
 - i) Type: `%%` and hit Enter (creates a new "cell" within VSCode)

- ii) Run with (Shift + Enter) like Jupyter Cells.
- iii) Outputs are returned in a separate window and will never be committed to GitLab/GitHub/Bitbucket, making it much easier to track changes in the file and keep them getting out of control.
- iv) Python environment can be changed in the top bar of the output pane (shutdown / restart etc), or close this window.
- v) Output pane has a lower text box for testing (without editing the file.py), can use up arrow keys in the box to load previous commands.

VSCode Keyboard Shortcuts

- **(Shift + Enter)** runs a “cell” inside .py/.ipynb files
- **(Shift+CMD+P)** – command palette – for changing base python environment (for code linting on functions within certain installed packages)
- **(Alt/Option + Up/Down)** Moves a row of code Up/Down
- **(Shift + Alt/Option + Up/Down)** Duplicates a row of code Up/Down
- **(Alt/Opt + CMD + Up/Down)** Generate multiple cursors
- **Alt/Opt + Right/Left** - jumps cursor a word left/right
- **CMD + Right/Left** - jumps cursor to start/end of row
- (Highlight text then **CMD + d**) – jumps to and adds to selection, the next occurrence of the highlighted text. Can repeat this or hold down CMD+d to select all occurrences of a word in a document
- **(F12 OR Alt/Opt+F12 OR Shift+F12)** looks up definition of a function under the cursor. Esc to cancel