

Watermark

Watermark is a plug-in or extension for Jupyter lab, rather than a library. It will generate a listing in the notebook about the computer system in use and the version numbers of the environment that the code is run in.

This is an easy way to document the conditions the code was written in.

```
In [1]: # if you have never run watermark, we will need to install the package
# this needs to be done only once per environment

#!pip install watermark
```

```
In [2]: # package imports

import pandas as pd
import numpy as np
import plotnine as p9
```

```
In [3]: # is is a jupyter notebook "magic" command, this is not a python or operating
# system. Magic commands start with %, the command below loads the watermark

%load_ext watermark
```

For more on extensions see

<https://jupyterlab.readthedocs.io/en/stable/user/extensions.html>

```
In [4]: # here is the watermark, I usually put these at the end

%watermark
```

Last updated: 2026-01-28T20:10:47.454600-08:00

Python implementation: CPython
 Python version : 3.13.9
 IPython version : 9.7.0

Compiler : Clang 20.1.8
 OS : Darwin
 Release : 25.2.0
 Machine : arm64
 Processor : arm
 CPU cores : 10
 Architecture: 64bit

```
In [5]: # adding --packages package1,package2,package3,.....
# will show the package versions as well for each specified package
```

```
%watermark --packages pandas,numpy,plotnine
```

```
pandas   : 2.3.3  
numpy    : 2.3.5  
plotnine: 0.15.2
```

In []: