

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 extension  
  
%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
```

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```
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 []: