

Record of Installation of Jupyter Lab on an M1 Macbook with Big Sur using Miniforge version of conda where there is good Apple Silicon support for packages

From <https://github.com/conda-forge/miniforge> downloaded Miniforge3-MacOSX-arm64

In Terminal in Downloads bash Miniforge3-MacOSX-arm64.sh

If you forget to get the script to init your shell then do:

```
/Users/YOURUSER/miniforge3/bin/conda init zsh
```

Close terminal and re enter

In terminal:

```
/Users/YOURUSER/miniforge3/bin/conda create -n p396 python=3.9.6
```

```
/Users/YOURUSER/miniforge3/bin/conda activate p396
```

```
conda install -c conda-forge jupyterlab
```

```
conda install -c conda-forge numpy
```

```
conda install -c conda-forge sympy
```

```
conda install -c conda-forge matplotlib
```

```
conda install -c conda-forge pandas
```

```
conda install -c conda-forge plotly
```

```
conda install -c conda-forge bokeh
```

```
conda install -c conda-forge scipy
```

```
conda install -c conda-forge seaborn
```

```
conda install -c conda-forge statsmodels
```

```
conda install -c conda-forge ipynb
```

```
conda install -c conda-forge pyvista
```

```
conda install -c conda-forge ipyvtklink
```

```
conda install -c conda-forge vispy
```

```
conda install -c conda-forge watermark
```

```
/opt/miniconda3/envs/p396/bin/jupyter labextension list
```

```
/opt/miniconda3/envs/p396/bin/jupyter kernelspec list
```

```
/opt/miniconda3/envs/p396/bin/jupyter nbextension list
```

```
jupyter-lab
```

Verify working with test notebook from solutions on <http://bunsen.site> Then shutdown kernel

```
pip install gnuplot_kernel
```

```
pip install jupyter_rfb
```

```
python -m gnuplot_kernel install
```

```
conda install lfortran -c conda-forge
```