

18.1.4

Install Your Tools

Before getting started, make sure that you're set with any libraries you'll be using while exploring unsupervised learning.

We'll need to install some additional libraries into our mlenv environment we created in the previous module. Before preceeding activate your mlenv environment on Mac or the "Anaconda Prompt (mlenv)" on Windows.

Scikit-learn

We'll be using the `scikit-learn` library in this module. And, since we installed it in the previous module we are good to go.

Plotly

To install the Python Plotly library, run the following command in your mlenv environment or Anaconda Prompt (mlenv).

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

hvPlot

To install the hvPlot visualization library, run the following command in your mlenv environment or Anaconda Prompt (mlenv):

```
conda install -c pyviz hvplot
```

Once you have successfully installed Plotly and hvplot you're all set.

NOTE

For more information about the Plotly and hvplot see the following documentation:

- **Plotly** [\(https://plotly.com/python/\)](https://plotly.com/python/) is a graphing library that makes interactive, publication-quality charts.
- **hvplot** [_\(https://hvplot.holoviz.org/user_guide/Introduction.html\)_](https://hvplot.holoviz.org/user_guide/Introduction.html) is a high-level plotting library that uses Holoviews and Bokeh.

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