Intellisense and Keyboard Shortcuts

Jupyter Lab and Jupyter Notebook have intellisense!

Add and run this line in your notebook:

```
%config IPCompleter.greedy=True
```

There are also lots of keyboard shortcuts for you to explore - included a guide I've found helpful.

Resources:

- http://www.thecuriouscoder.com/enable-intellisense-in-jupyter-notebooks/ (http://www.thecuriouscoder.com/enable-intellisense-in-jupyter-notebooks/)
- http://maxmelnick.com/2016/04/19/python-beginner-tips-and-tricks.html (http://maxmelnick.com/2016/04/19/python-beginner-tips-and-tricks.html)

Interactive Plots

Jupyter Notebook

Place and run this in your notebook:

```
%matplotlib notebook
```

Jupyter Lab

Don't use `%matplotlib notebook` - It doesn't work in Jupyter lab.

Instead, use

```
%matplotlib widget
```

To get this command working you'll need to install matplotlib into jupyter lab (https://github.com/matplotlib/jupyter-matplotlib):

```
conda install -c conda-forge ipympl
# If using the Notebook
conda install -c conda-forge widgetsnbextension
# If using JupyterLab
conda install nodejs
jupyter labextension install @jupyter-widgets/jupyterlab-manager
jupyter labextension install jupyter-matplotlib
```

If you accidentally run the `%matplotlib notebook` command you'll need to restart the kernel.

References:

- https://github.com/matplotlib/jupyter-matplotlib (https://github.com/matplotlib/jupyter-matplotlib)
- https://github.com/jupyterlab/jupyterlab/issues/2948 (https://github.com/jupyterlab/jupyterlab/issues/2948)

```
  MINGW64:/d/T  ×      sondra.ipynb    ×      Untitled.ipynb    ×      line_config.ipyn  ×

      anaconda-custom              |     py36h363777c_0            9 KB
      libsodium-1.0.16             |              vcl4_0         582 KB   conda-forge
      icu-58.2                     |              vcl4_0        21.8 MB   conda-forge
      krb5-1.14.6                  |              vcl4_0         767 KB   conda-forge
      ca-certificates-2018.8.24    |         ha4d7672_0         170 KB   conda-forge
      sqlite-3.22.0                |              vcl4_0         907 KB   conda-forge
      ------------------------------------------------------------------------
                                        Total:        138.0 MB

  The following NEW packages will be INSTALLED:

      ipympl:            0.2.1-py36_0           conda-forge
      krb5:              1.14.6-vcl4_0          conda-forge [vcl4]

  The following packages will be UPDATED:

      anaconda:          5.2.0-py36_3                   --> custom-py36h363777c_0
      ca-certificates:   2018.03.07-0                   --> 2018.8.24-ha4d7672_0    conda-forge
      certifi:           2018.4.16-py36_0               --> 2018.8.24-py36_1001     conda-forge
      curl:              7.60.0-h7602738_0              --> 7.60.0-vcl4_0           conda-forge [vcl4]
      freetype:          2.8-h51f8f2c_1                 --> 2.8.1-vcl4_0            conda-forge [vcl4]
      jpeg:              9b-hb83a4c4_2                  --> 9b-vcl4_2               conda-forge [vcl4]
      libpng:            1.6.34-h79bbb47_0              --> 1.6.34-vcl4_0           conda-forge [vcl4]
      libsodium:         1.0.16-h9d3ae62_0              --> 1.0.16-vcl4_0           conda-forge [vcl4]
      libxslt:           1.1.32-hf6f1972_0              --> 1.1.32-vcl4_0           conda-forge [vcl4]
      lxml:              4.2.1-py36heafd4d3_0           --> 4.2.3-py36heafd4d3_0    conda-forge
      matplotlib:        2.2.2-py36h153e9ff_1           --> 2.2.2-py36_1            conda-forge
      openssl:           1.0.2o-h8ea7d77_0              --> 1.0.2p-hfa6e2cd_1000    conda-forge
      tk:                8.6.7-hcb92d03_3               --> 8.6.8-vcl4_0            conda-forge [vcl4]
      zeromq:            4.2.5-hc6251cf_0               --> 4.2.5-vcl4_2            conda-forge [vcl4]

  The following packages will be DOWNGRADED:

      bzip2:             1.0.6-hfa6e2cd_5               --> 1.0.6-vcl4_1            conda-forge [vcl4]
      hdf5:              1.10.2-hac2f561_1              --> 1.10.2-vcl4_0           conda-forge [vcl4]
      icu:               58.2-ha66f8fd_1                --> 58.2-vcl4_0             conda-forge [vcl4]
      libiconv:          1.15-h1df5818_7                --> 1.14-vcl4_4            conda-forge [vcl4]
      libtiff:           4.0.9-hb8ad9f9_1               --> 4.0.9-vcl4_0            conda-forge [vcl4]
      libxml2:           2.9.8-hadb2253_1               --> 2.9.5-vcl4_1            conda-forge [vcl4]
      lzo:               2.10-h6df0209_2                --> 2.10-vcl4_0             conda-forge [vcl4]
      pyqt:              5.9.2-py36h1aa27d4_0           --> 5.6.0-py36_2
      qt:                5.9.5-vcl4he4a7d60_0           --> 5.6.2-vcl4_1            conda-forge [vcl4]
      snappy:            1.1.7-h777316e_3               --> 1.1.7-vcl4_1            conda-forge [vcl4]
      sqlite:            3.23.1-h35aae40_0              --> 3.22.0-vcl4_0           conda-forge [vcl4]
      yaml:              0.1.7-hc54c509_2               --> 0.1.7-vcl4_0            conda-forge [vcl4]
      zlib:              1.2.11-h8395fce_2              --> 1.2.11-vcl4_0           conda-forge [vcl4]

  Proceed ([y]/n)? y
```