Seaborn Workshop

Installing and getting started

- ▶ To install the released version of seaborn, you can use `pip` (i.e. `pip install seaborn`).
- ▶ Its also possible to install the released version using conda (i.e. `conda install seaborn`), although this may lag behind the version availible from PyPI.
- ▶ Alternatively, you can use pip to install the development version, with the command `pip install`

`git+git://github.com/mwaskom/seaborn.git#egg=seaborn`.

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- ▸ Another option would be to to clone the github repository and install with `pip install .` from the source directory.
- ▸ Seaborn itself is pure Python, so installation should be reasonably straightforward.
- ▸ When using the development version, you may want to refer to the development docs. Note that these are not built automatically and may at times fall out of sync with the actual master branch on github.

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Dependencies Python 2.7 or 3.3+ Mandatory dependencies
numpy scipy matplotlib pandas Recommended dependencies
statsmodels

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- The pip installation script will attempt to download the mandatory dependencies if they do not exist at install-time.
- Using seaborn with the Anaconda distribution is recommended, as this makes it easy to manage the main dependencies, which otherwise can be difficult to install.
- There are also some known bugs on older versions of matplotlib, so you should in general try to use a modern version. For many use cases, though, older matplotlibs will work fine.
- Seaborn is tested on the most recent versions offered through conda.

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Importing seaborn

- ▶ Seaborn will apply its default style parameters to the global matplotlib style dictionary when you import it. This will change the look of all plots, including those created by using matplotlib functions directly.

- ▶ To avoid this behavior and use the default matplotlib aesthetics (along with any customization in your matplotlibrc), you can import the `seaborn.apionly` namespace.

- ▶ Seaborn has several other pre-packaged styles along with high-level tools for managing them, so you should not limit yourself to the default aesthetics.

By convention, seaborn is abbreviated to sns on import.