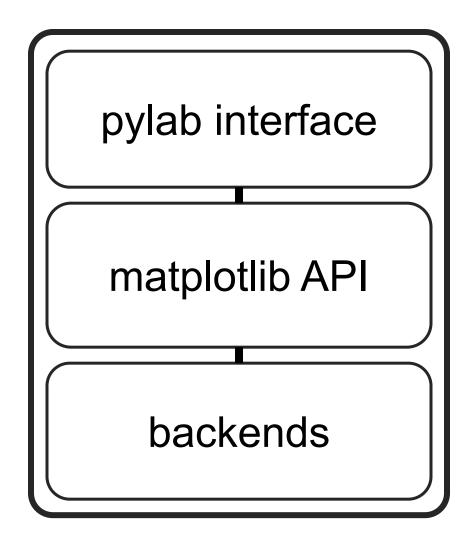
#### Seaborn

And Other High-Level Plotting Tool Kits

datascience@berkeley

# Matplotlib: Today



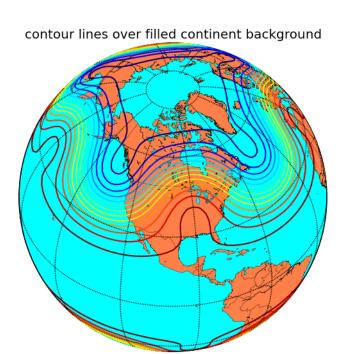
#### **Another Level**

seaborn ggplot basemap holoviews prettyplotlib mplot3d AxesGrid

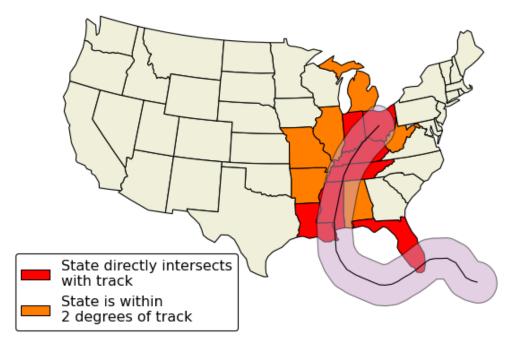
matplotlib API
backends

# List maintained at <a href="http://matplotlib.org/mpl">http://matplotlib.org/mpl</a> toolkits/

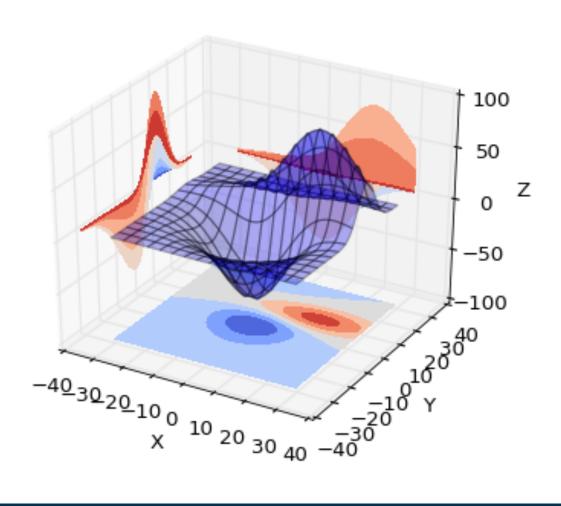
# Basemap, Cartopy



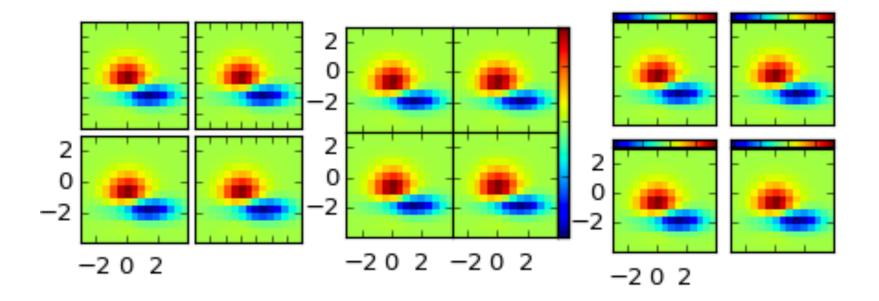
US States which intersect the track of Hurricane Katrina (2005)



# mplot3d

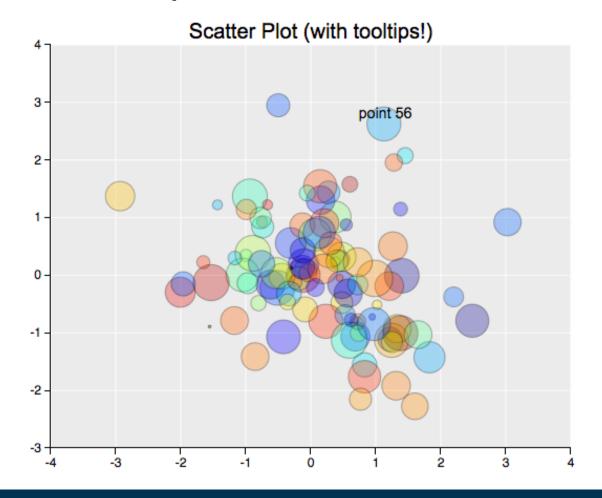


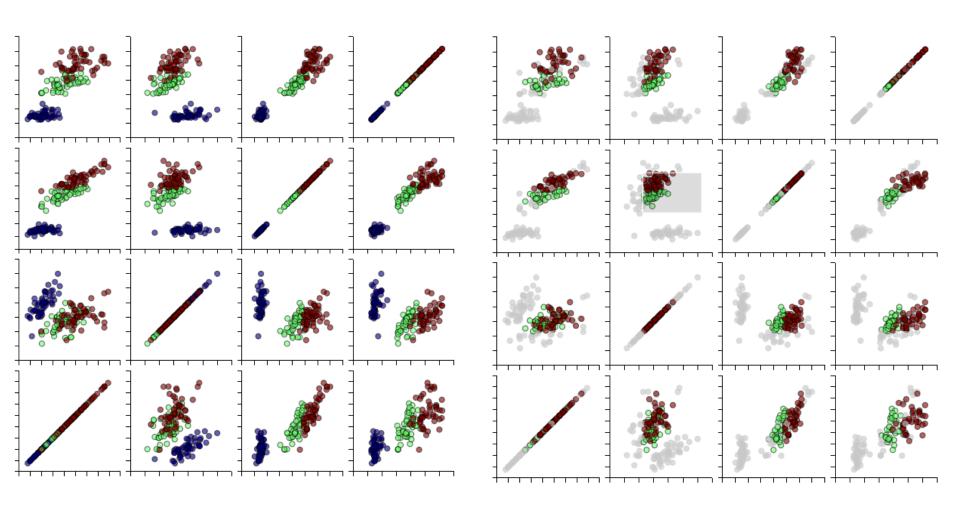
#### AxesGrid



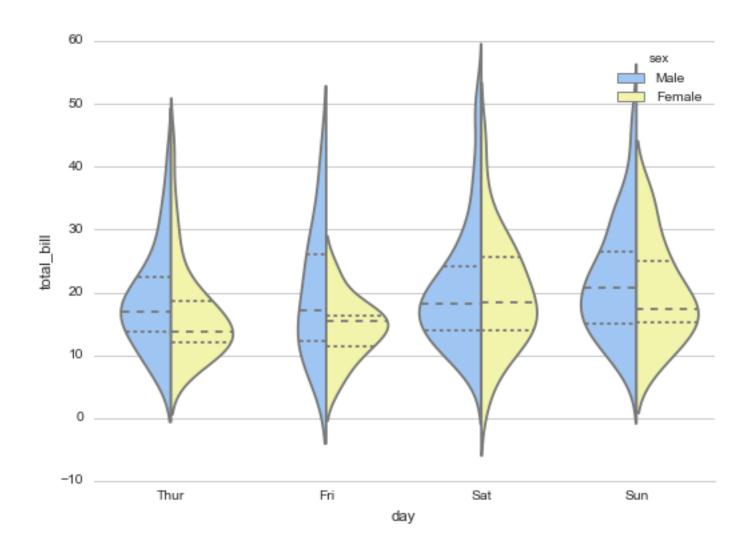
Connects matplotlib to a D3 as a backend

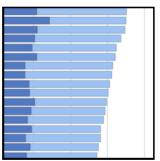
#### Connects matplotlib to a D3 as a backend

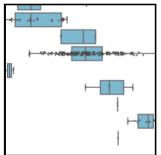


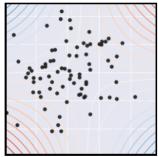


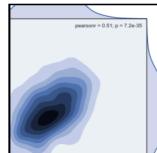
http://mpld3.github.io/

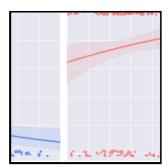


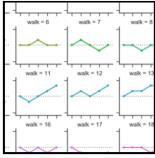


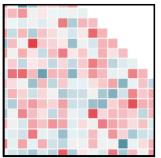




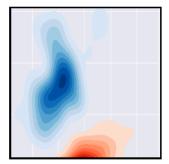


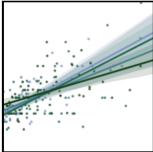


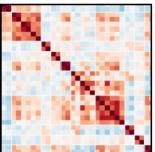


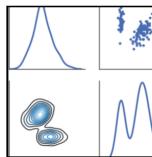










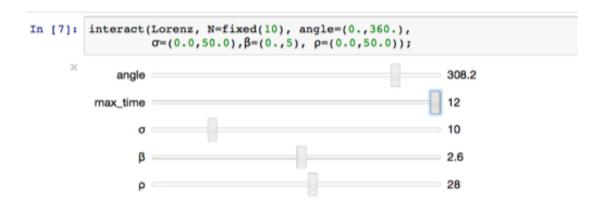


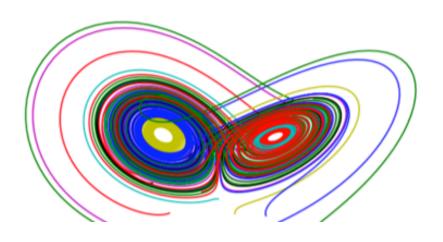
http://seaborn.pydata.org/examples/

#### Other Notables

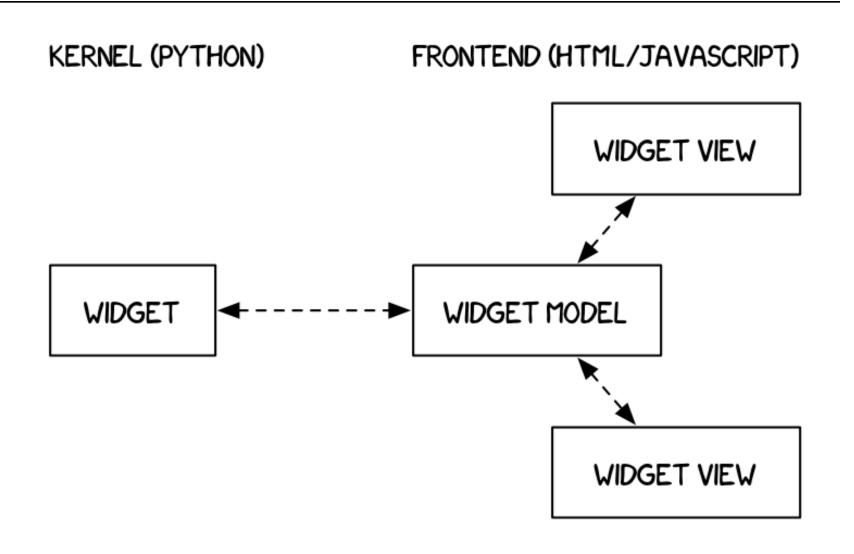
Use Jupyter widgets + Matplotlib to generate interactive graphics.

#### Other Notables





#### Other Notables



### Other Notable Matplotlib Strategies

Use Jupyter widgets + Matplotlib to generate interactive graphics.

Define your own plotting function in Matplotlib (e.g., Pandas does this).

#### Other Notable Matplotlib Strategies

Use Jupyter widgets + Matplotlib to generate interactive graphics.

Define your own plotting function in Matplotlib (e.g., Pandas does this).

Transfer data to custom D3 visualization inside Jupyter.

# Berkeley school of information