

## What's new and what's next

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# What's HoloViz.org?



holo-: whole, complete, entire

HoloViz is a set of compatible tools to make it easier to see and understand your data at *every* stage from discovery to delivery.





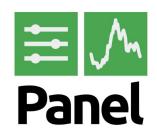










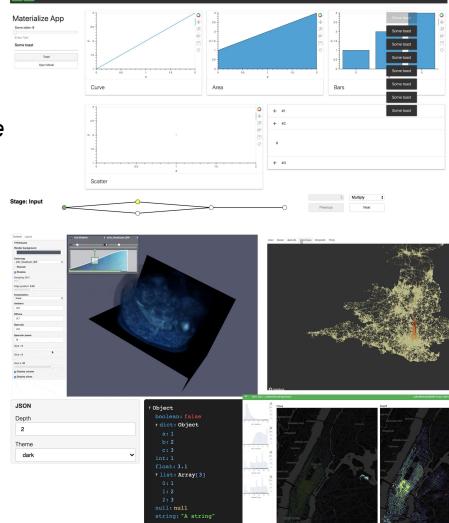


Easy apps and dashboards for any viz library.

Fully reactive, Pythonic API for Jupyter or standalone use

#### What's new:

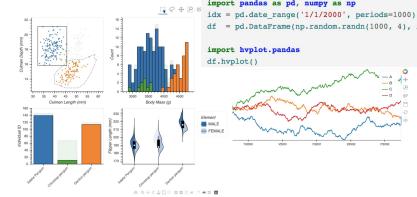
- Now has easy templates for sophisticated apps
- New support for:
  - ipywidgets/voila, flask
  - o 3D VTK, Deck.gl
  - responsive layouts, progress indicators, better static linking
  - ACE editor, etc., etc.





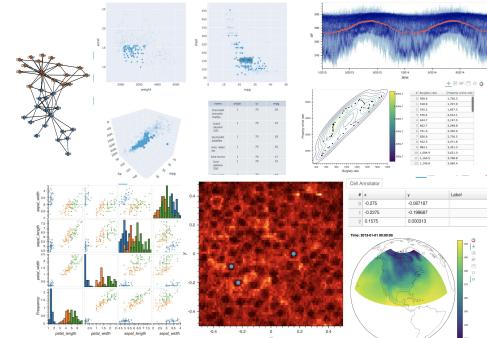
High-level viz.analysis for Bokeh, MPL, Plotly

<u>hvPlot</u>: Interactive plots from Pandas .plot()



#### What's new:

- hvPlot now supports cuDF and spatialpandas data (plus pandas, xarray, dask, intake, streamz, geopandas, and networkx)
- New: automatic <u>linked brushing</u> for instant dashboards
- See the <u>holoviz.org</u> tutorial

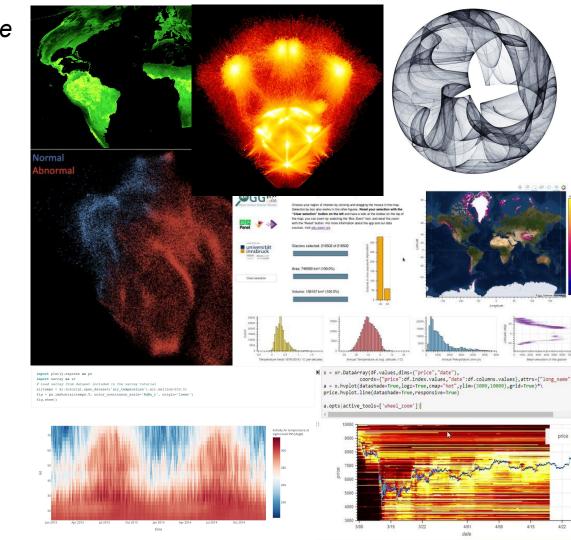




Accurate server-side rendering of the largest datasets

#### What's new:

- Major new support for Dask and cuda (GPU) rendering
- Adding to point, line, raster, now renders areas, spikes, quadmeshes, polygons
- All aggregates can now be categorical
- Geo toolbox now pulled out into xarray-spatial



### What's next:

- Better docs about deployments, parameters
- Authenticated deployments
- Easier drill-downs and interactive pipelines
- Simpler, more powerful Panel templates
- Datashader-style colormapping in Bokeh
- Anti-aliasing in Datashader
- REST/dashboard monitoring framework
- Ibis (Pythonic SQL) backend for HoloViews, maybe hvPlot
- More examples at <u>examples.pyviz.org</u>

## Also see PyViz.org

- An open, non-partisan guide to Python Viz libraries.
- Live status of 90+ tools
- Overviews, comparisons, tutorials

