glue

multidimensional data exploration

glueviz.org github.com/glue-viz glueviz.slack.com

Linked-View Exploratory Visualization of High-Dimensional Data, for Everyone

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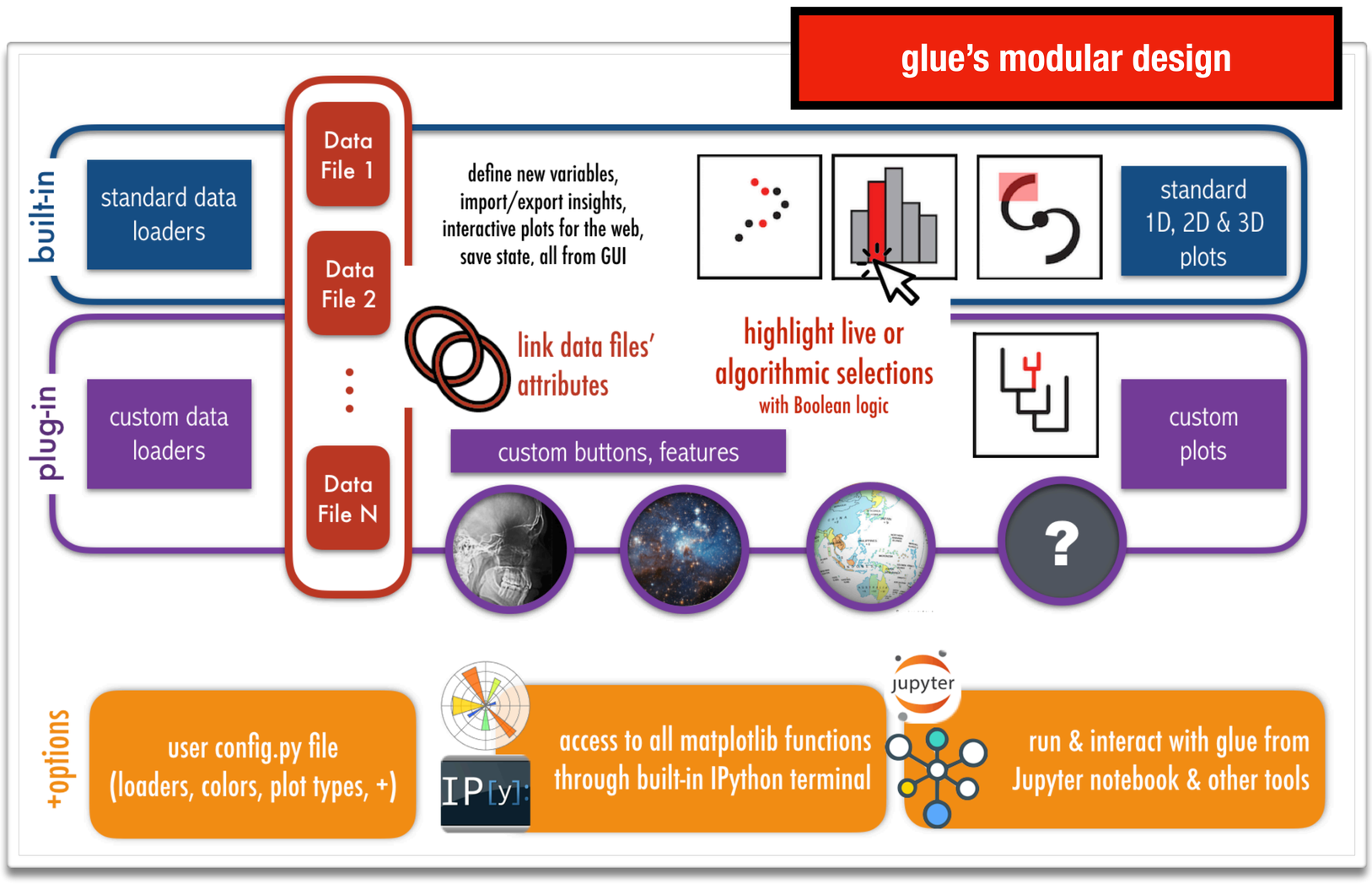
The **glue** project was founded in 2012, with funding from **NASA**'s **James Webb Space Telescope** (JWST) project. NASA contracts continue to support development of JWST-related (Astronomy) functionality.

Beginning in 2017, glue has also been funded by the **National Science Foundation**, under SI2-SSE 1739657/1740229: *Collaborative Research: A sustainable future for the glue multi-dimensional linked data visualization package.* The goal of the NSF SSE funding is to expand glue's functionality into domains beyond its traditional strengths in Astronomy and Medicine, by broadening both its user and developer communities.

All glue code is Open Source, at github.com/glue-viz

glue's modular design



Linked Visualizations

With Glue, users can create scatter plots, histograms and images (2D and 3D) of their data. Glue is focused on the brushing and linking paradigm, where selections in any graph propagate to all others.

Flexible linking across data

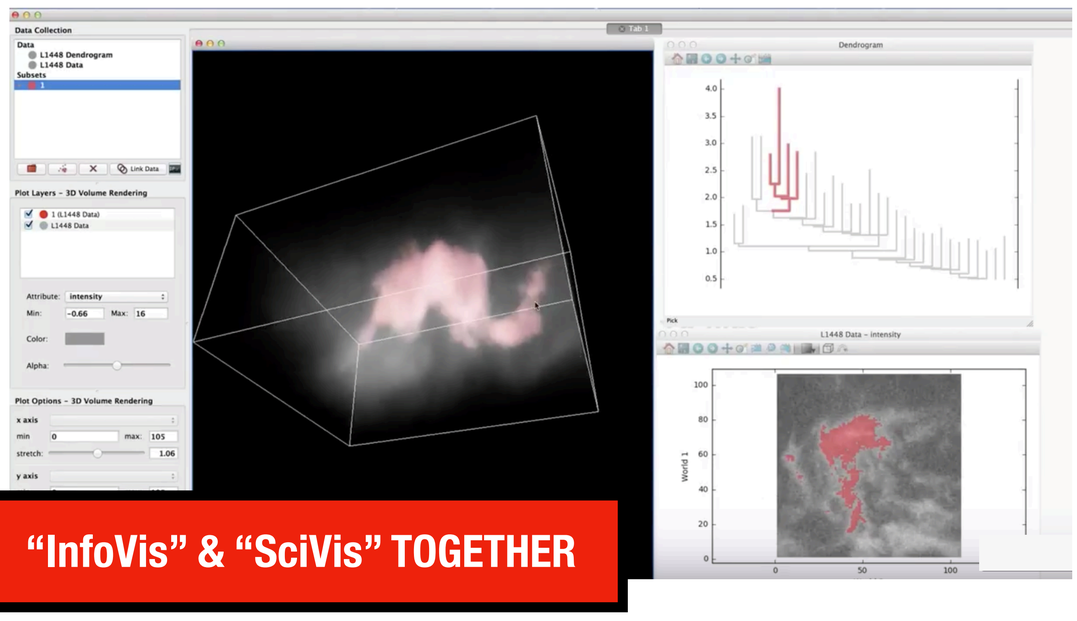
Glue uses the logical links that exist between different data sets to overlay visualizations of different data, and to propagate selections across data sets. These links are specified by the user, and are arbitrarily flexible

Full scripting capability

Glue is written in Python, and built on top of its standard scientific libraries (i.e., Numpy, Matplotlib, Scipy). Users can easily integrate their own python code for data input, cleaning, and analysis.

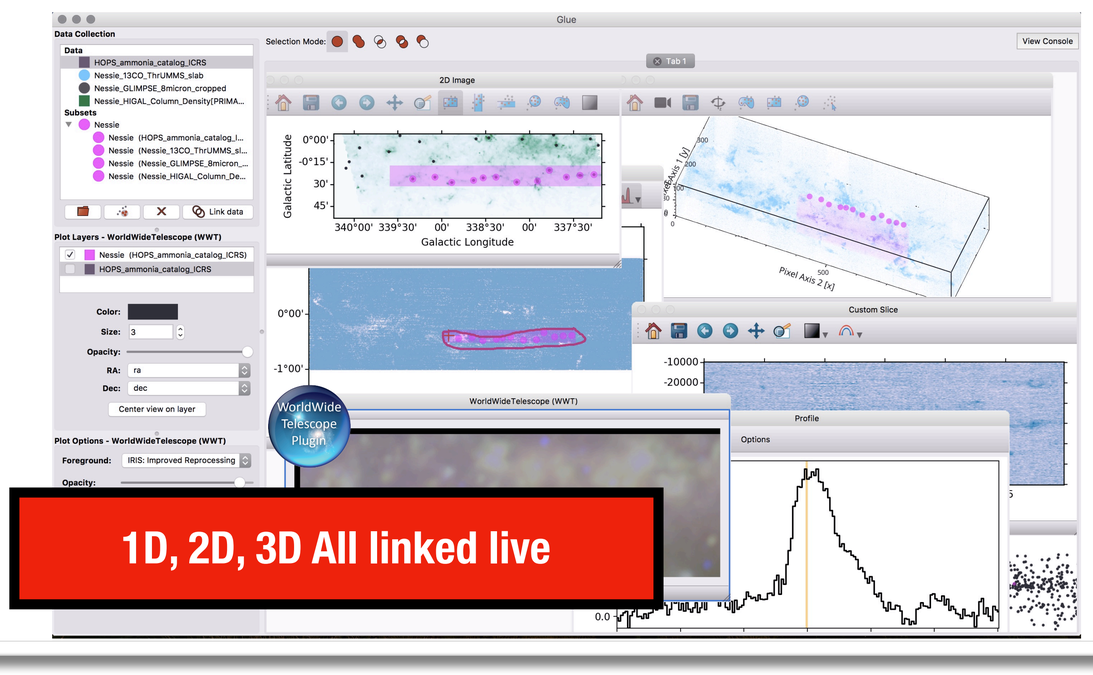
Want to plug-in your project or tool? Consider joining us for glue-con, right after JupyterCon, August 27-29, 2018, at Harvard.

glue-con
multidimensional data exploration
2018, CAMBRIDGE, MA
projects.iq.harvard.edu/gluecon



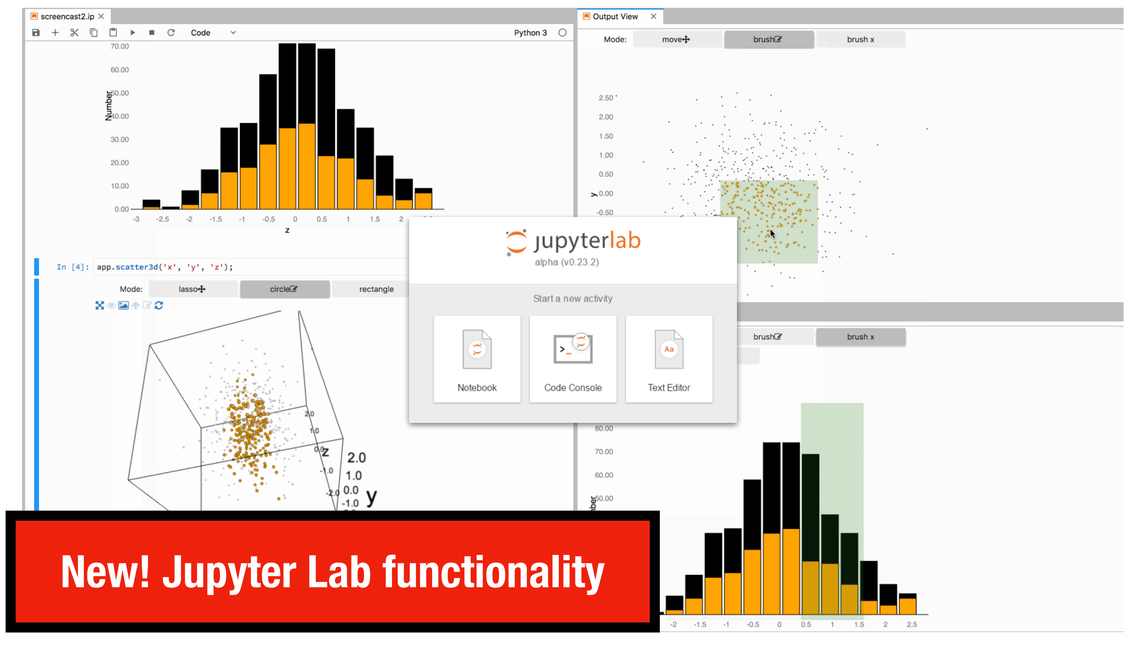
"InfoVis" & "SciVis" TOGETHER

GIS compatible

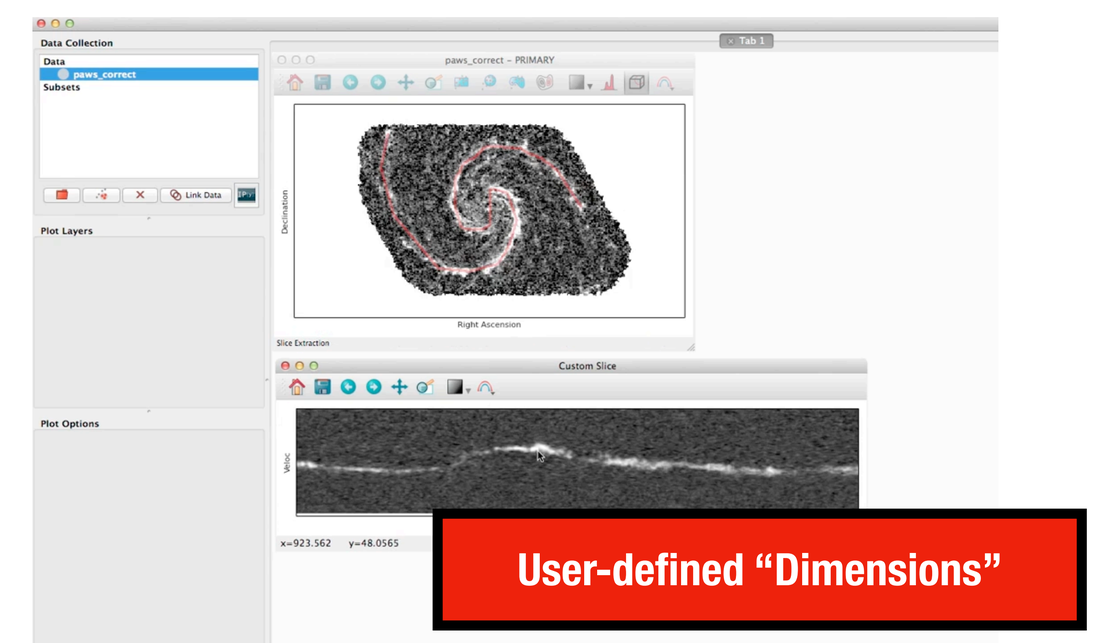


1D, 2D, 3D All linked live

Medical Imaging



New! Jupyter Lab functionality



User-defined "Dimensions"