



Analysim:

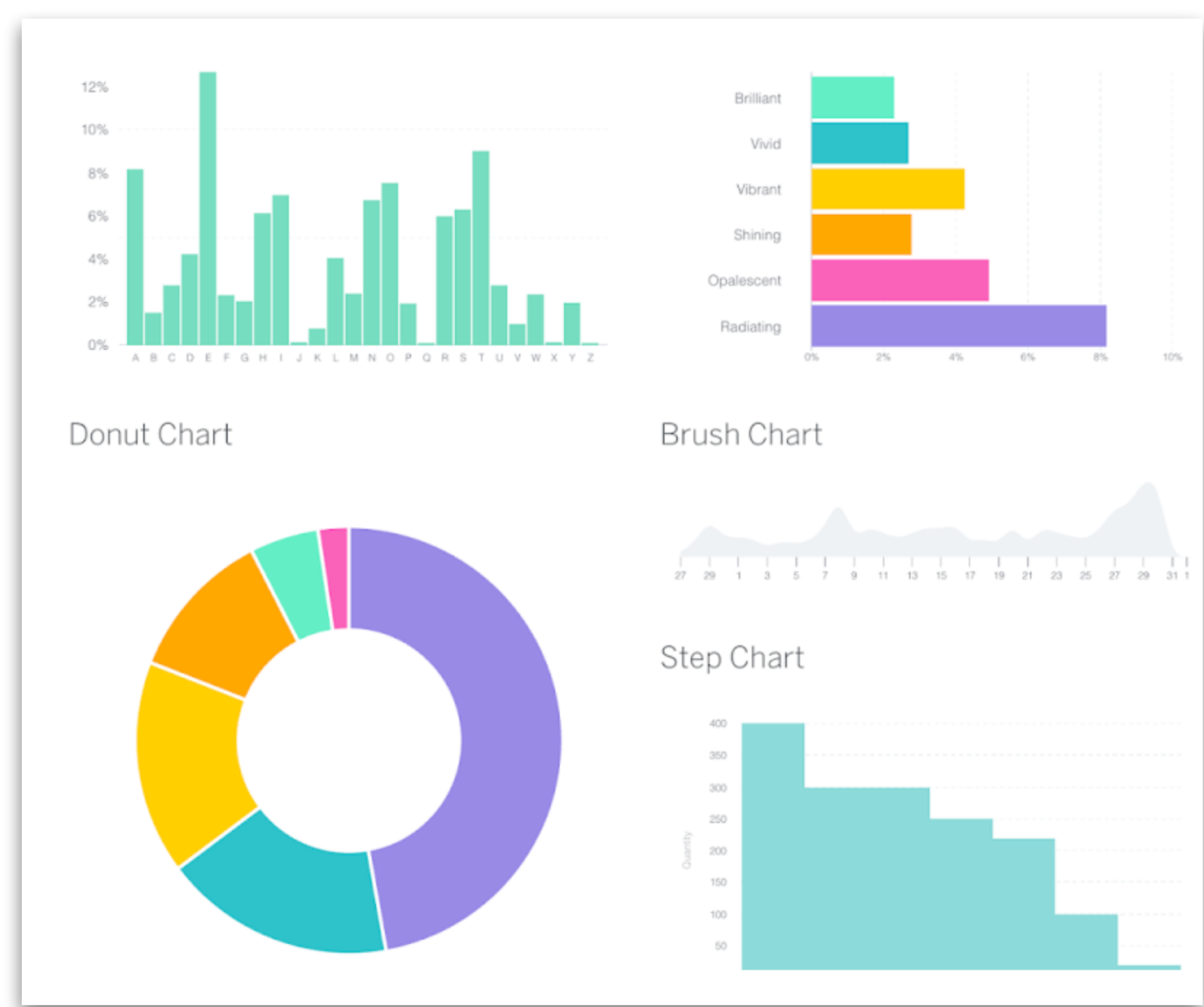
A web platform for visualizing and analyzing neuronal databases



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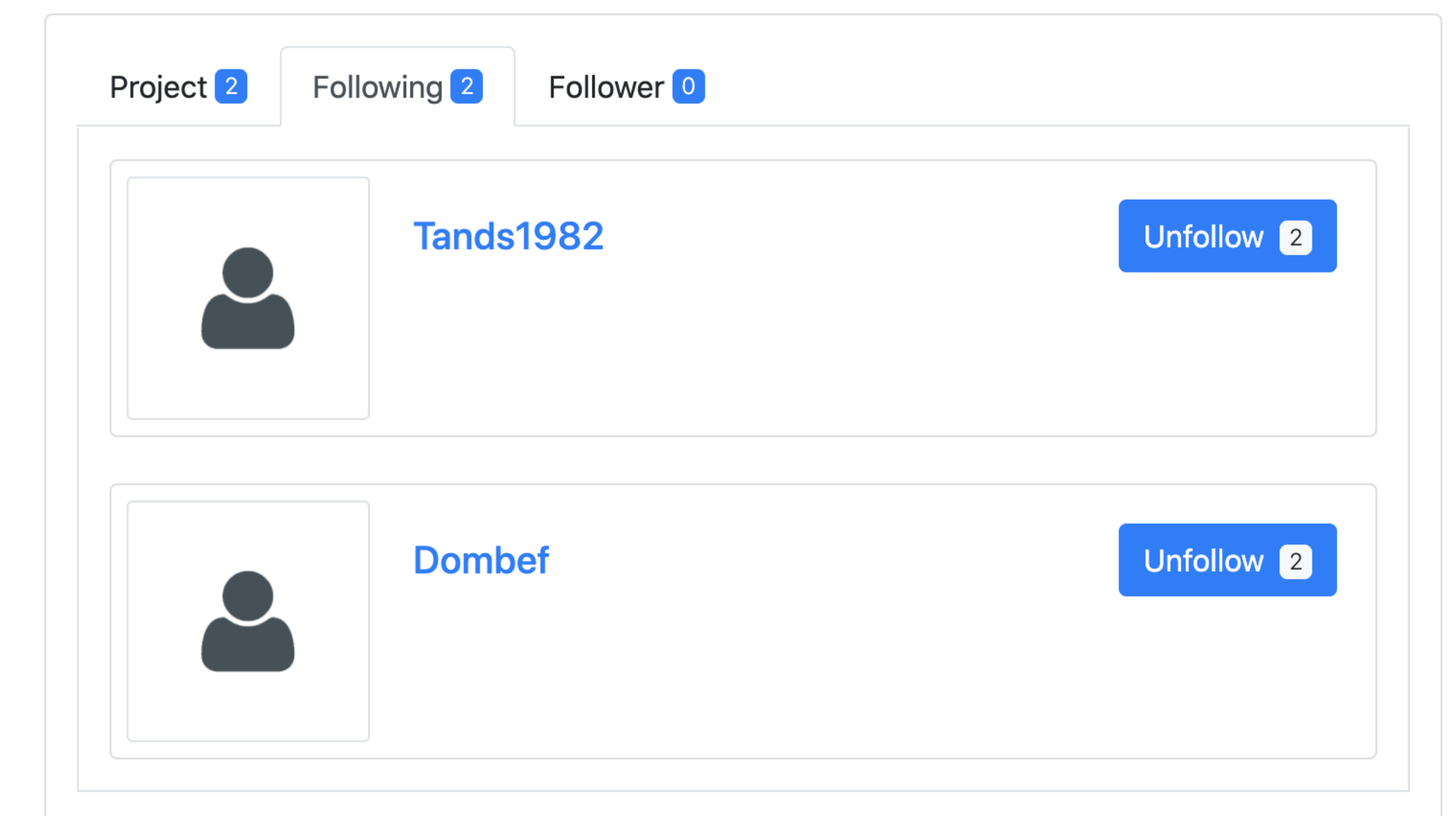
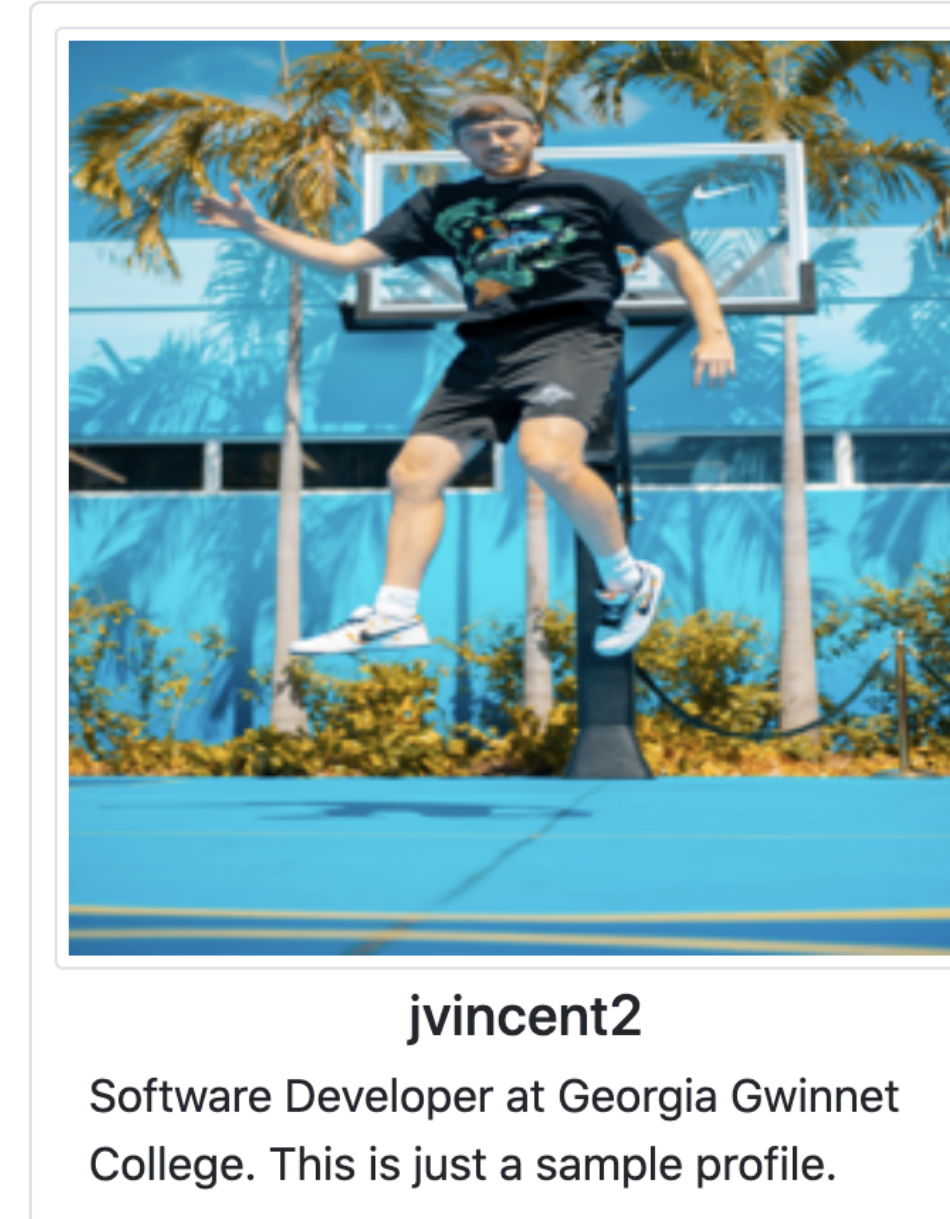
ABSTRACT

Analysim is a free online web platform enabling researchers to analyze and share data by providing interactive visualizations, and a way to collaborate with others. The open platform is specialized for working with high-dimensional data sets such those constructed via computational modeling. Analysim also allows you to run custom analysis on any type of data.



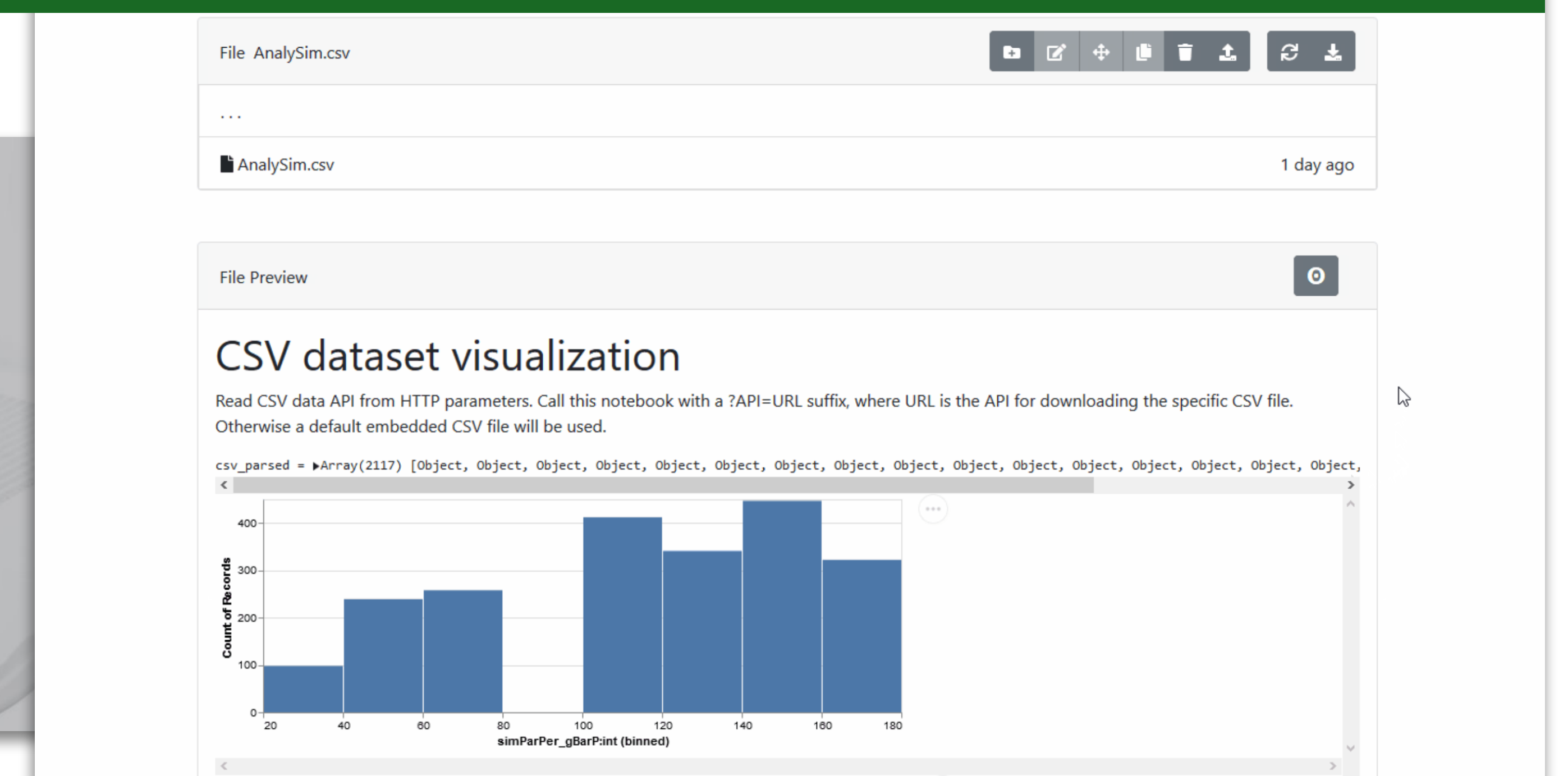
CROWDSOURCED RESEARCH ON A SOCIAL PLATFORM SIMILAR TO GITHUB

- Social scientific environment:
- Fork/clone to make it your own
 - Tag/Follow people and projects
- Actions on shared resources by others:
- Filter their data sets
 - Duplicate their analyses and improve
- Publish findings via interactive visualizations



CROWDSOURCED RESEARCH ON A SOCIAL PLATFORM SIMILAR TO GITHUB

- Visualize data through an ObservableHQ Javascript notebook with custom analysis
- Plotting with D3.js, Plotly, Vega Lite, and more
- Live editing and sharing
- Commenting with a Github account



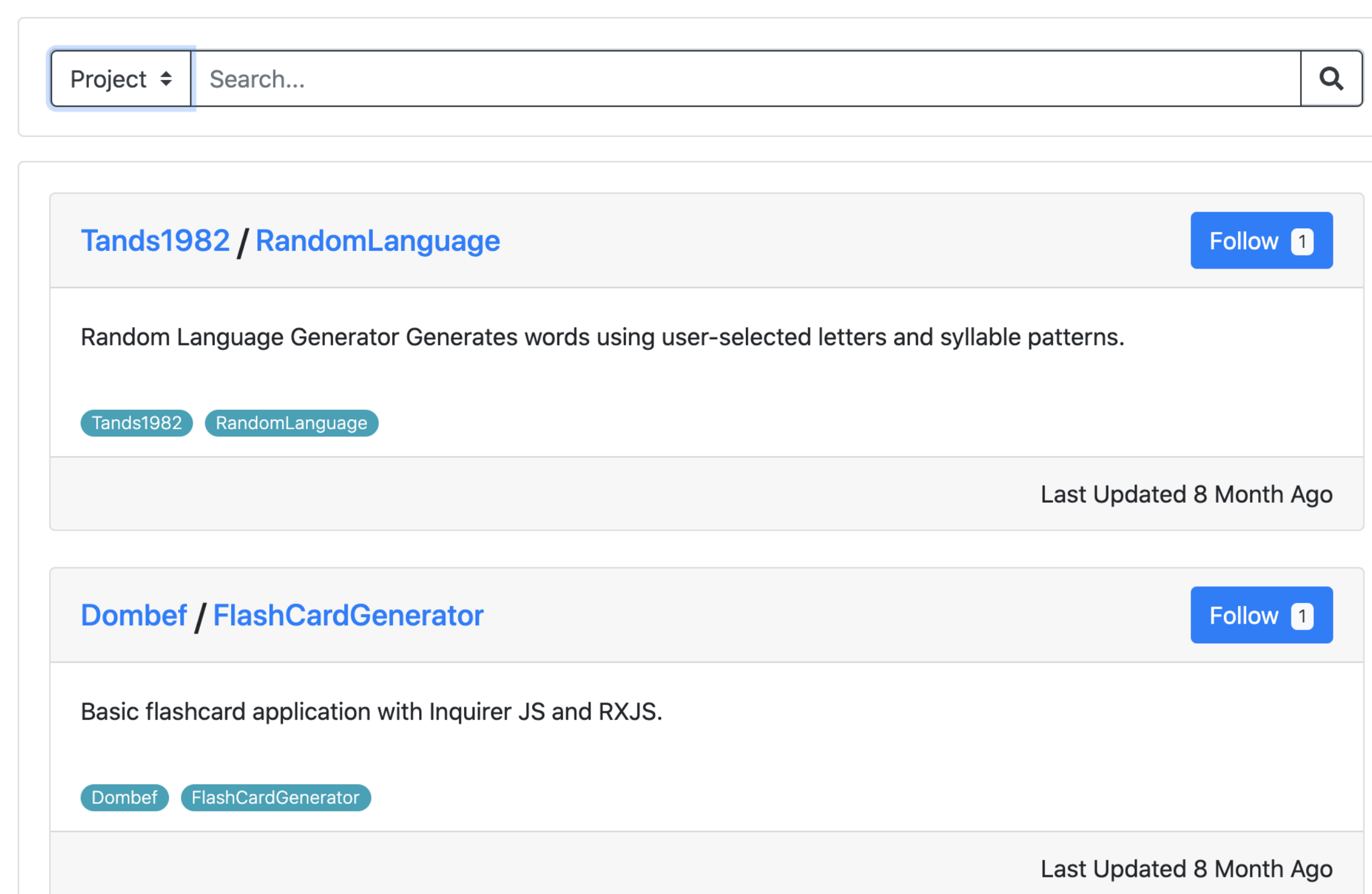
BROWSE & ANALYZE DATASETS

On the web, interactive, and easy to share!

- Improves visibility of your research
- Reviewers can reproduce your analyses
- Tools available specific for parameter search, but allows to run your custom code

Foster collaborative research:

- Access others' public data sets and analysis
- Join existing teams or start your own
- Guide your own research; Ask novel questions



CURRENT PROGRESS

- User can edit a project that they created
- Renaming files in the Project File Explorer
- Module for viewing members associated with a project
- Updated project page to show all of the project details
- Created README.md file with project overview and installation instructions

FUTURE GOALS

- Implement Organizations for grouping projects
- Automatically display an Observable notebook upon loading a file
- Search using the navigation bar
- Project Forking