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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.



# **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





# A web platform for visualizing and analyzing neuronal databases

# **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**

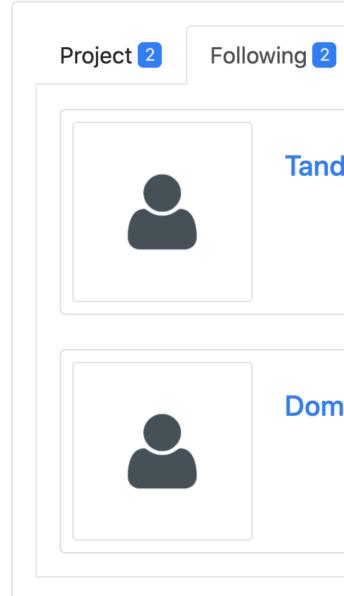
- Visualize data through an ObservableHQ Javascript notebook with custom analysis
- Plotting with D3.js, Plotly, Vega Lite, and more
- Live editing and sharing
- Commenting with a Github account



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jvincent2 Software Developer at Georgia Gwinnet College. This is just a sample profile.





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#### **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

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





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# FUTURE GOALS