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ghub.gateway@gmail.com

@GhubGateway



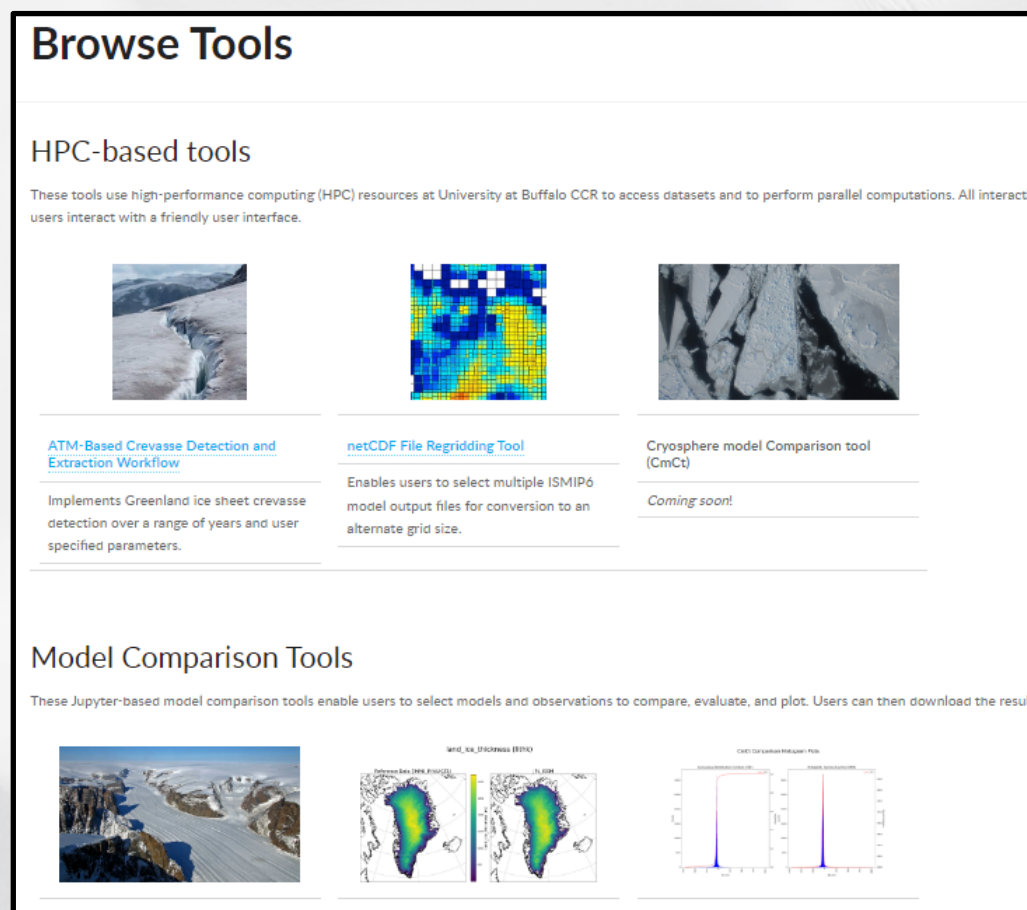
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for emails!

Making ice sheet research accessible

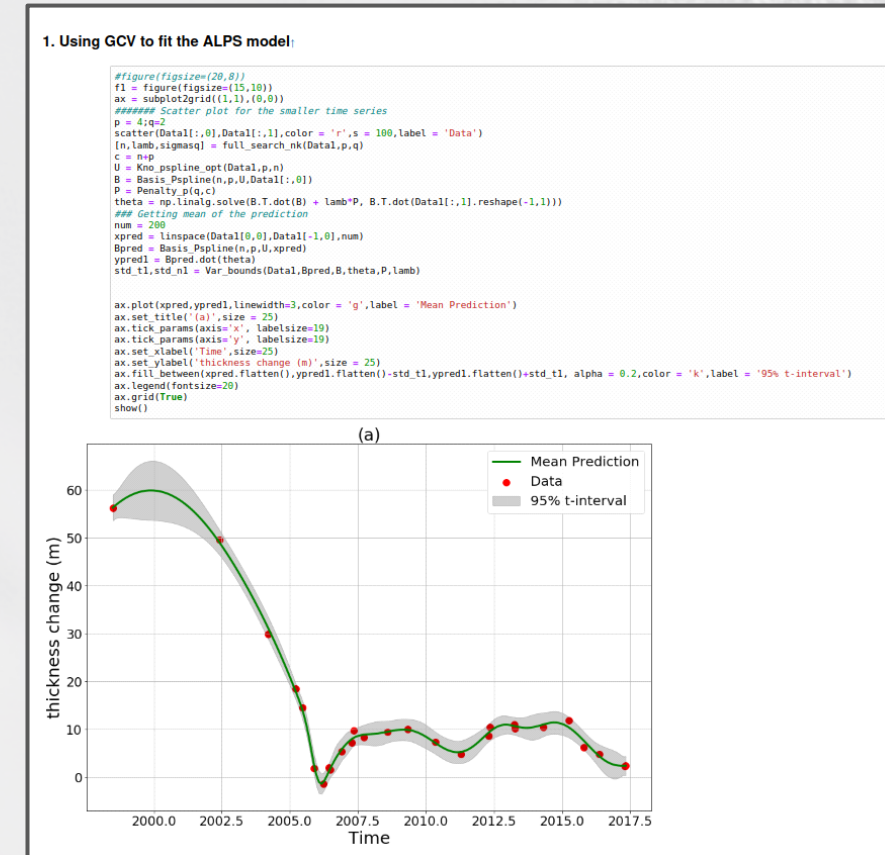
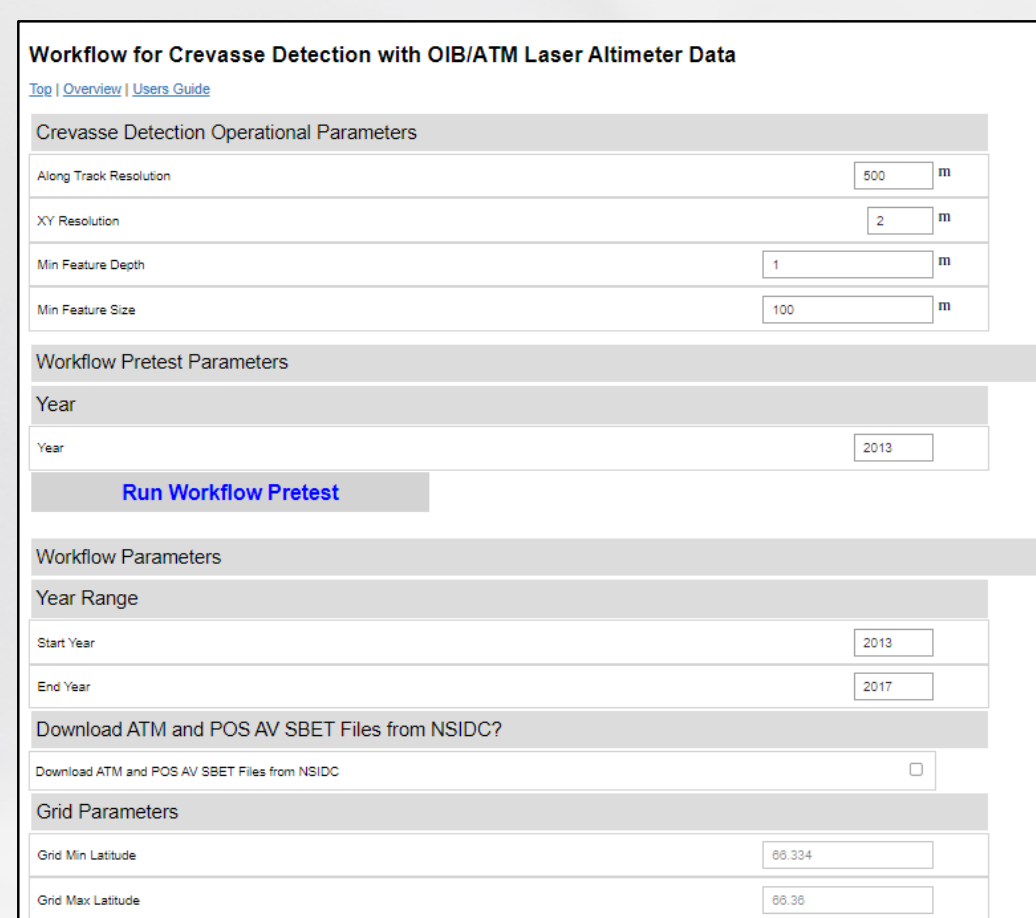
Tools



Tools are community created computational resources that place a user interface on your scientific code!

Each tool is stored in it's own container to be shared and run by Ghub users!

They can be as simple as a Jupyter notebook displaying your code...



...or as complex as an elaborate workflow that uses remote data and submits jobs to high-performance computing resources

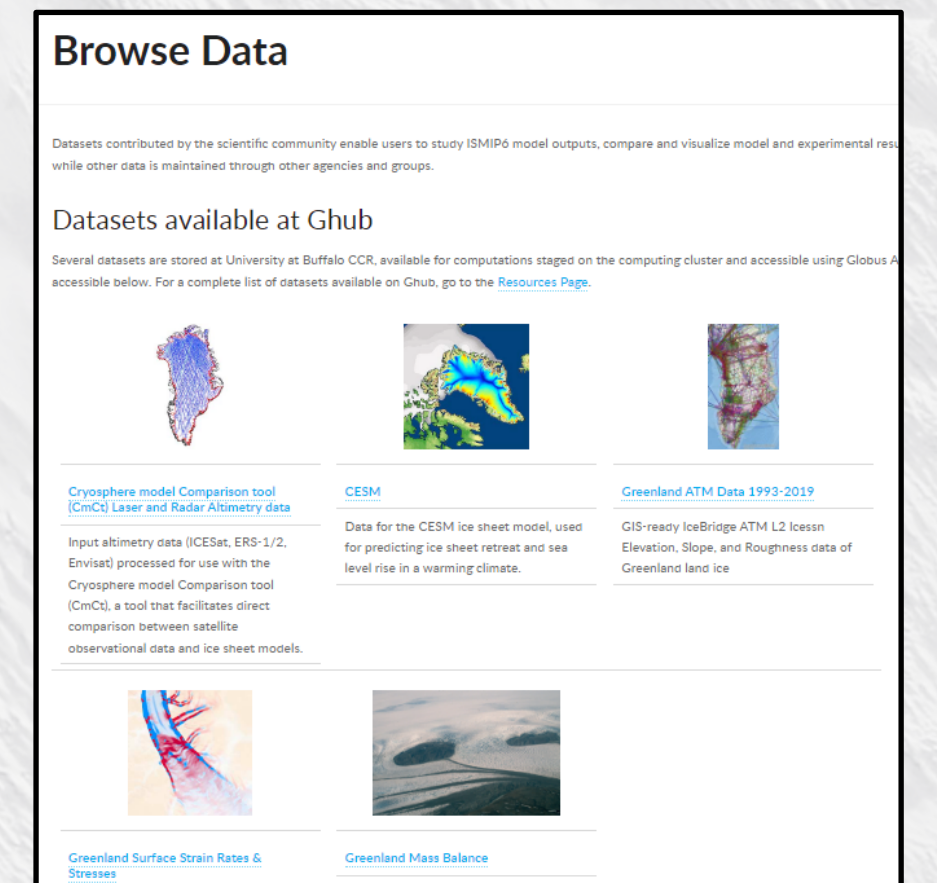
Computational tools can use the high-performance computing (HPC) resources housed at University at Buffalo's Center for Computational Research.



Data

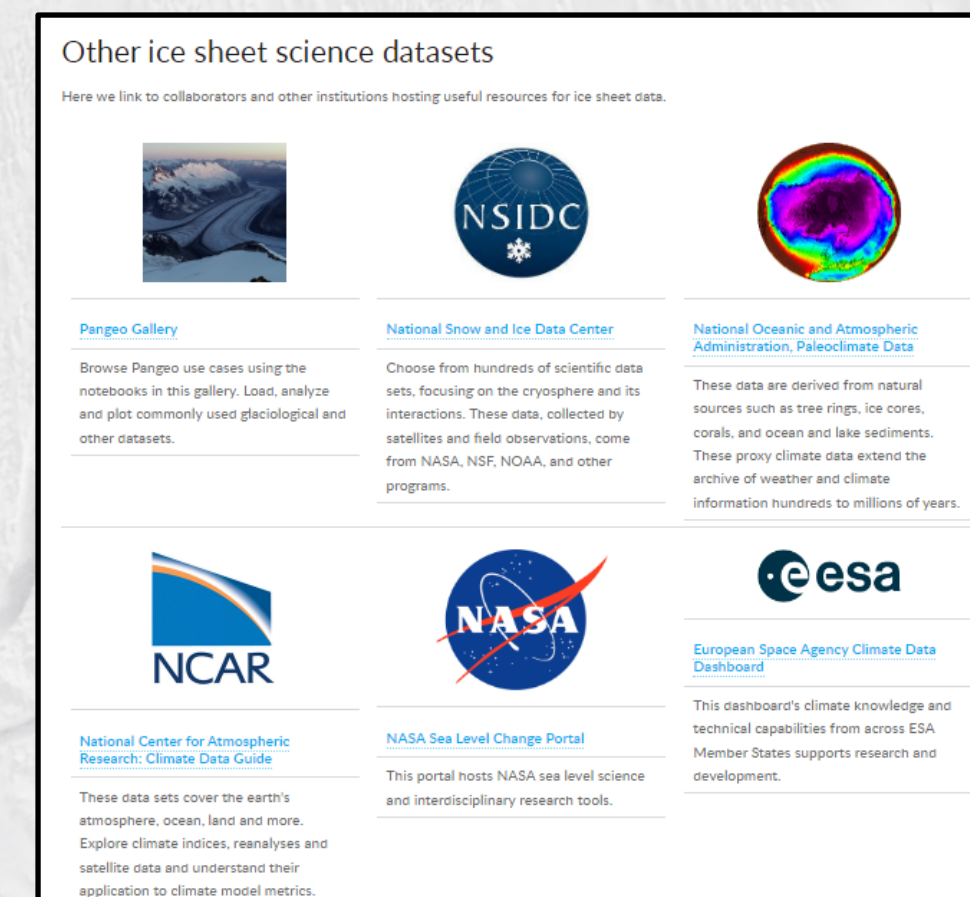
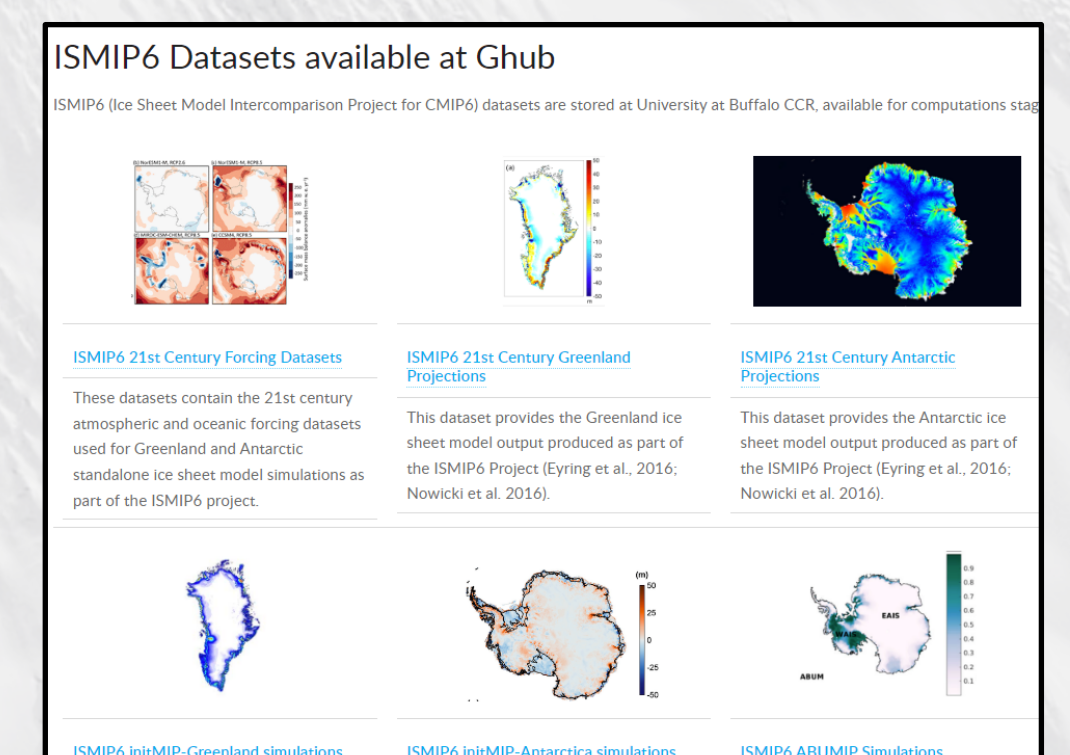
Ghub can be used as a repository for data products generated during your research.

The Ghub platform offers several different ways to publish, document, cite, and upload your data to make it available to others.



Several datasets are stored at University at Buffalo CCR, available for computations staged on the computing cluster and accessible using Globus APIs and portal.

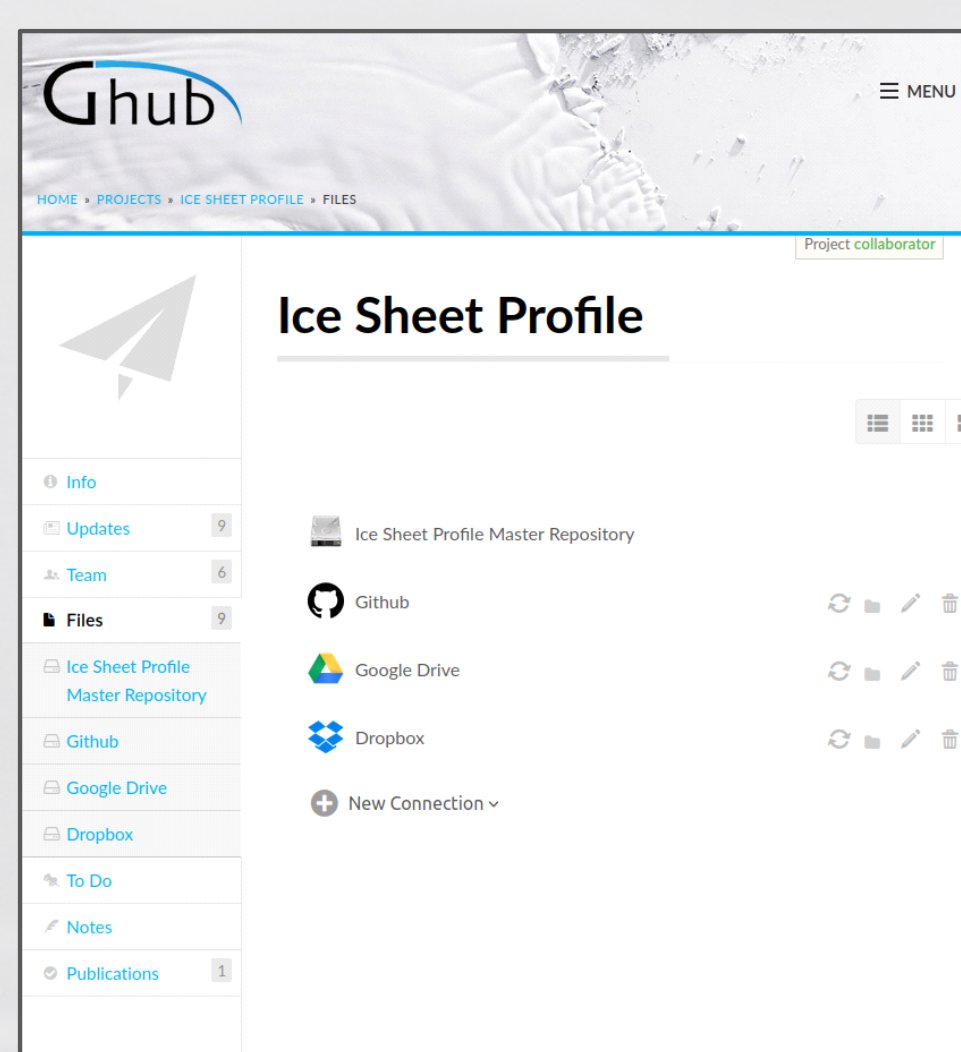
Datasets contributed by the **ISMIP6 community** enable users to study model outputs, compare and visualize model and experimental results, and more



We also link to collaborators and other institutions hosting useful resources for ice sheet data to act as a one-stop-shop to find what you need, even if it's not on Ghub!

Community

Groups are a unique feature that allows communities to grow inside of the Hub and includes features like wikis, forums and blogs, wish lists, announcements and more!



Projects allow for data storage and collaboration around specific projects.

Each project gets it's own data repository and has options for linking to Google Drive, Drop Box, AWS S3 Buckets, and Github!

Have a community initiative you want to share? We can share it on our community resources page!

Community Resources

CryoCommunity

CryoCommunity has the most extensive list of resources available to the community. Born out of a **URGE Pod** for glaciologists, this site should serve as your go-to place when looking for resources within glaciology!

If you notice something is missing from this list, or wish to showcase your own community resource, please email ghub.gateway@gmail.com



Education

Educational Materials

Individual educational materials.

[Browse](#)

Presentations

A lecture, seminar or other type of presentation in various types of media.

[Browse](#)

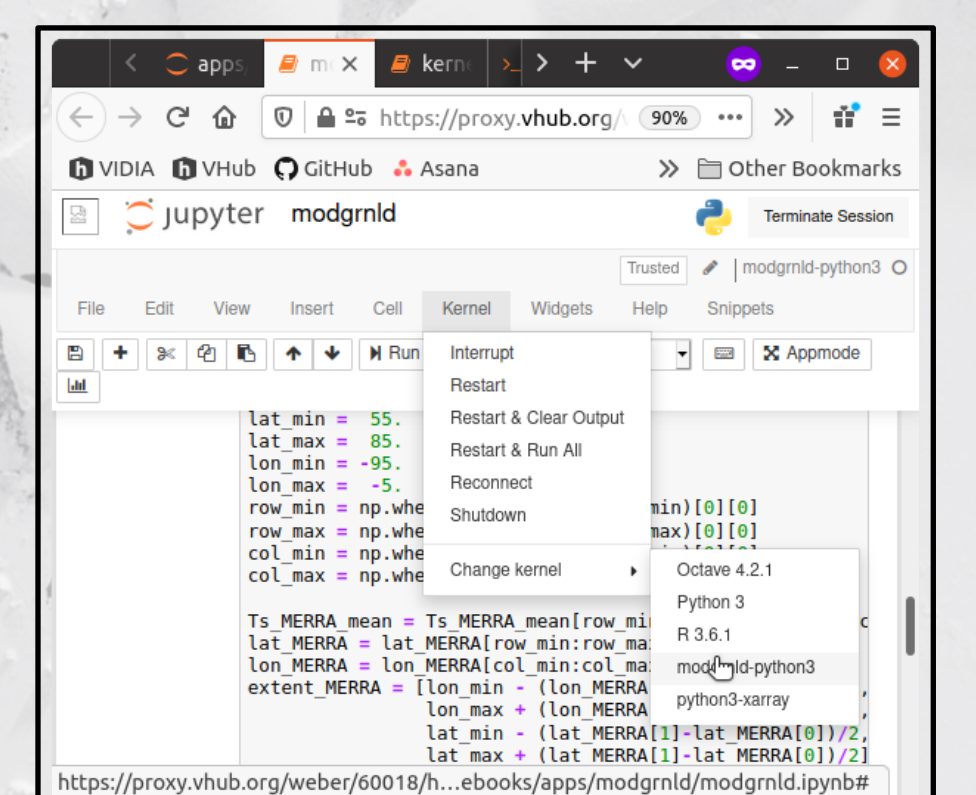
Courses

A collection of lectures and/or other educational materials that make a course on a specific topic.

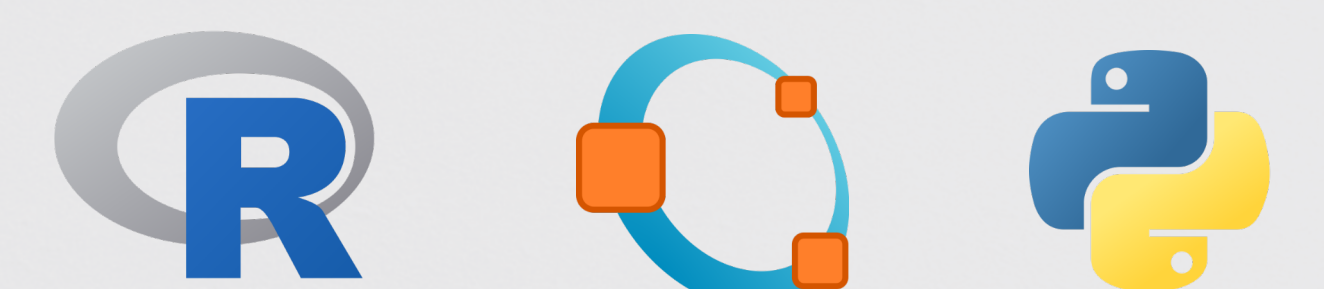
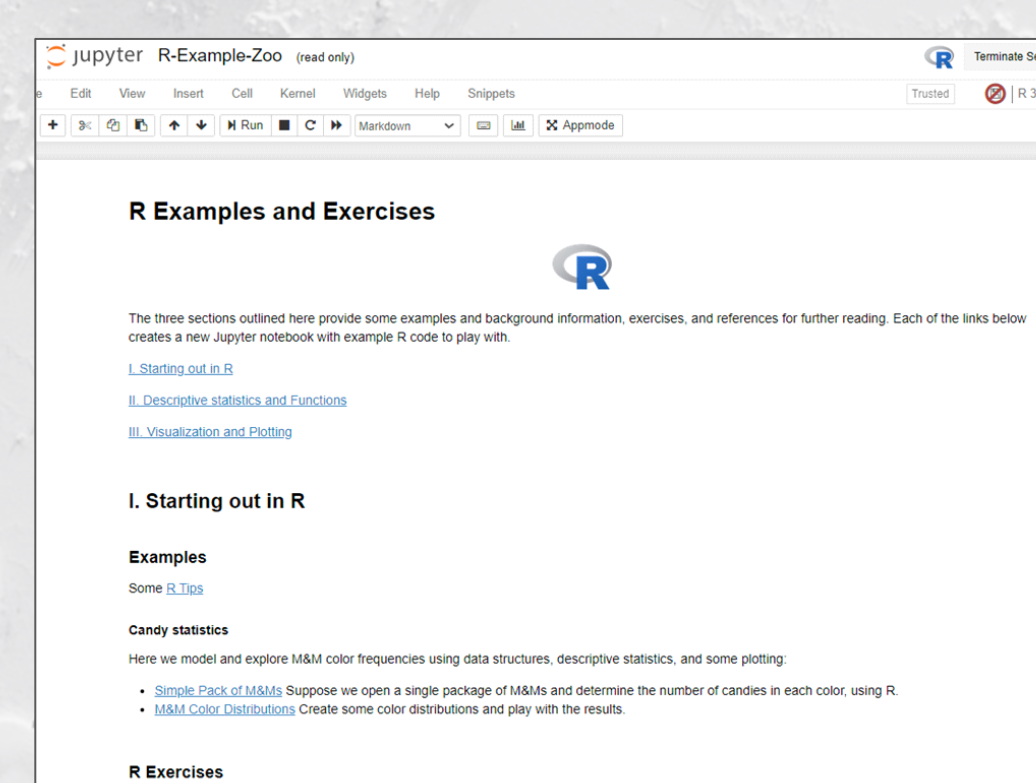
[Browse](#)

Develop or host your educational and outreach material with Ghub! Link to tools your students can learn with, host course material or educational modules for the public!

You can access Jupyter notebook and lab *directly* through Ghub! No need to download anything or manage your environment!



Learn how to code in R, Octave, or Python!



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