A User Guide for the PhUSE GitHub Repository

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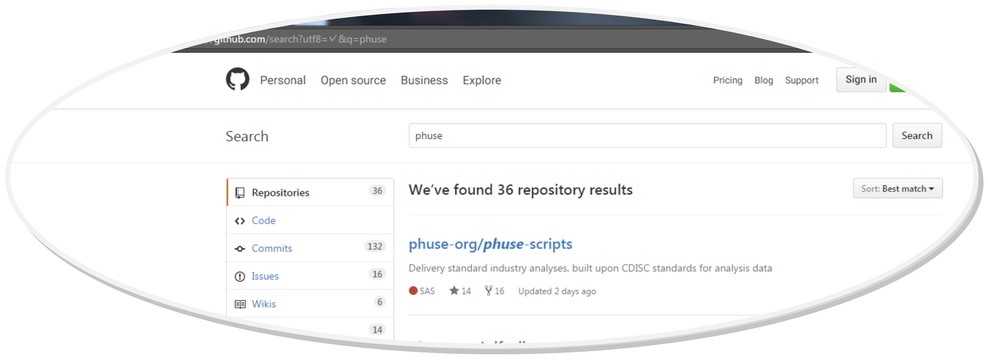
The code repository built and maintained by the PhUSE Standard Analyses and Code Sharing Working Group contains a wealth of scripts that have been written by PhUSE members or donated by other organizations. However, many new visitors to the repository are overwhelmed by the magnitude of folders and files to explore, not to mention the learning curve associated with GitHub's general functionality and myriad features. This poster will serve as a user guide to help new visitors to the repository understand the folder structure, various content lists, and general GitHub functionality.

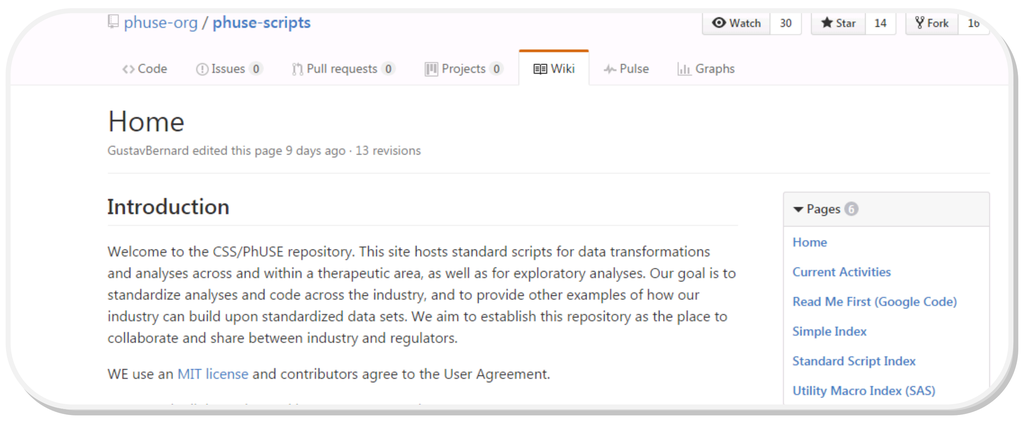
Getting There

Go directly to the repository in your web browser by navigating to **https://github.com/phuse-org/phuse-scripts**. Alternatively, navigate to github.com and search for "PhUSE." The repository should show up in the search results.



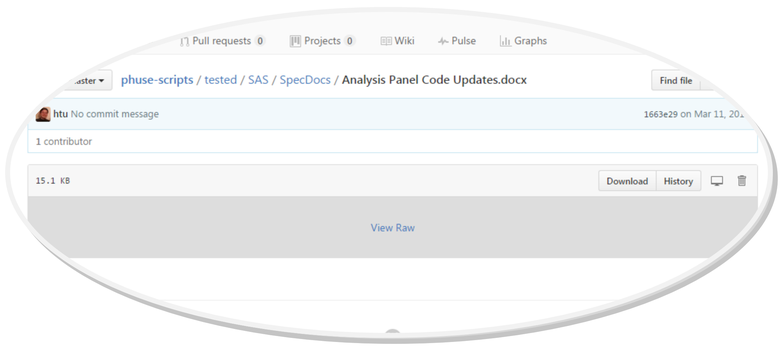
Getting Around

As work continues to create new scripts, qualify existing ones, and add more contributed code, the folder structure of the repository constantly evolves. The Wiki page, which can be accessed by clicking on the "Wiki" tab at the top of the repository, serves as a launching pad for new visitors and links to important information, including the MIT License, Current Activities, Useful Links, and script indexes. The example workflows that comprise the rest of this User Guide demonstrate common tasks that people perform. For a help with specific GitHub functionality, please reference the online material at GitHub.com. To submit questions or feedback on the repository, contact information for current Standard Analyses and Code Sharing Working Group members can be found online at phusewiki.org.



Example Workflow: Downloading a Script

Locate the script you wish to download. The indexes on the right side of the Wiki page are a good place to start if you are not sure where the script is located in the code hierarchy. If the code is in a plain-text format (eg., .SAS file), then it will open for viewing in the browser when you click on it; you may select, copy, and paste code from the web page into another file to run in your environment. If the code is in a proprietary format (eg, MS Office Docs, .zip files), a View Raw link will be shown to download the file.



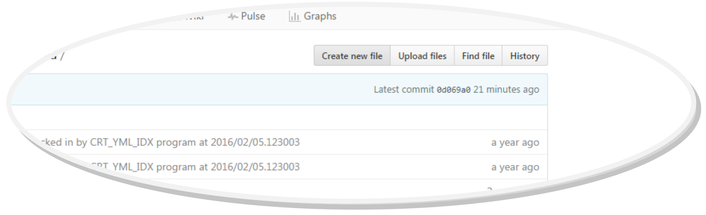
Helpful Hint

Above the code editor window is the location of the script in the repository's folder hierarchy with hyperlinks to higher-level folders.

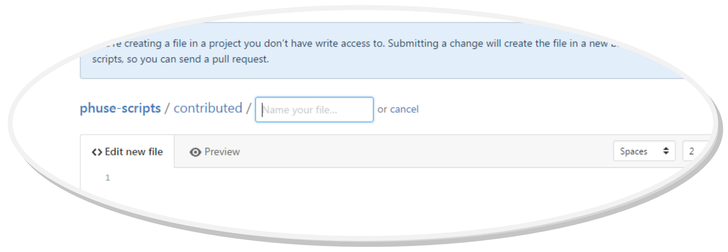
By clicking one level up and then right clicking on the script, you can download the entire code file.

Example Workflow: Contributing a Script

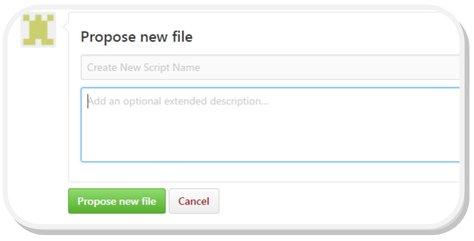
Anyone with a GitHub account can contribute new content to the repository, subject to approval by the Repository Governance and Infrastructure Project Team. Login to GitHub with your GitHub account credentials and browse to the location in the hierarchy where your code best belongs (eg., phuse-scripts/contributed/). As appropriate click the New Files button in the upper right corner of the page.



Type a name for your file in the textbox at the top of the page.



Paste or type your code into the code editor. Before submitting the code for addition to the repository, you may type an optional description or note to the Repository Governance and Infrastructure Project Team members responsible for approving the code's inclusion into the repository and placing it into the correct location in the hierarchy.



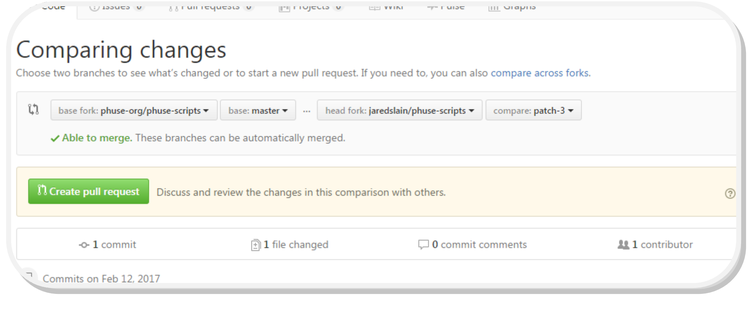
Click the "Propose new file" button once everything is entered. Follow the instructions for "Sending a Pull Request."

Example Workflow: Suggesting a Code Change

Anyone with a GitHub account can upload suggested code changes to the repository, subject to approval by the Repository Governance and Infrastructure Project Team. Login to GitHub with your GitHub account credentials and browse to the script for which you have changes. Click the button in the upper right of the code display window that looks like a pencil.

Make your suggested code changes in the code editor. Before submitting the code for addition to the repository, you may type an optional description or note to the Repository Governance and Infrastructure Project Team members responsible for approving the code's inclusion into the repository.

Click the "Propose file change" button once everything is entered. Follow the instructions for "Sending a Pull Request."

Sending a Pull Request

Uploading a new file or a change to an existing file only branches your personal fork of the repository. To include your code additions or updates in the master repository, you must send a Pull Request to the Repository Governance and Infrastructure Project Team. After following the workflows above, click the "Create Pull Request" button in the middle of the screen. Any text entered into the option description field when you created/edited the code will appear in your message by default. Please be sure your message includes a complete and accurate description of your code changes and their purpose. Click the "Create pull request" button to send your pull request to the Repository Governance and Infrastructure Project Team.