Fork a Repository and Use RStudio to Clone the Repository into an R Project

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Preliminary Setup

This presentation assumes you have configured Git and have a
GitHub account. If you need help configuring Git see
`https://help.github.com/articles/set-up-git/`.

Forks

- A *fork* is a copy of a repository. Forking a repository allows you to experiment freely with changes without affecting the original project.
- Most commonly, forks are used either to propose changes to someone else's project or to use someone else's project as a starting point for your own idea.[1]

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[1]https://help.github.com/articles/fork-a-repo/

Fork a GitHub Repository

Forking a repository is a two-step process.

1. On GitHub, navigate to the desired repository. In this presentation we use `https://github.com/alanarnholt/Homework-Examples`.
2. In the top-right corner of the page, click **Fork**.

You now have a *fork* of the original repository on your personal GitHub account.

Cloning Respositories into R Projects with RStudio

When you create a repository on GitHub, it exists as a remote repository. You can create a local *clone* of your repository on your computer and sync between the two locations. To clone a repository into an R project with RStudio,

1. Copy the URL in the `HTTPS clone URL` box to the clipboard for the desired repository.
2. In RStudio, click `File > New Project > Version Control > Git`.
3. Paste the copied URL from the clipboard in the `Repository URL:` box.
4. Provide a name for the project in the `Project directory name:` box.
5. Specify where you want the project to be stored in the `Create project as subdirectory of:` box.
6. Click `Create Project` button.