



Introduction to GitHub

Jeffrey Leek, Assistant Professor of Biostatistics
Johns Hopkins Bloomberg School of Public Health

What is GitHub?

“GitHub is a web-based hosting service for software development projects that use the Git revision control system.”

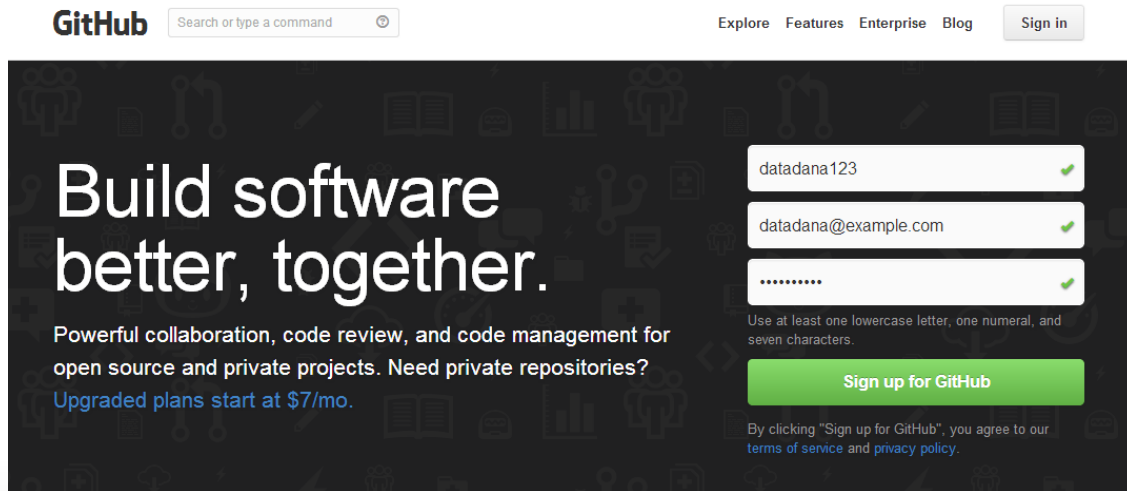
<http://en.wikipedia.org/wiki/GitHub>

What is GitHub?

- Allows users to "push" and "pull" their local repositories to and from remote repositories on the web
- Provides users with a homepage that displays their public repositories
- Users' repositories are backed up on the GitHub server in case something happens to the local copies
- Social aspect allows users to follow one another and share projects

Set Up a GitHub Account

- Go to the GitHub homepage at <https://github.com/>
- Enter a username, email, and password and click "Sign up for GitHub"
- **NOTE:** You should use the same email address that you used when setting up Git in the previous lecture



The screenshot shows the GitHub homepage with a dark background and white text. At the top, the GitHub logo is on the left, and navigation links for 'Explore', 'Features', 'Enterprise', 'Blog', and a 'Sign in' button are on the right. A search bar is also present. The main content area features the slogan 'Build software better, together.' followed by a description of GitHub's capabilities. On the right side, there is a sign-up form with three input fields: a username field containing 'datadana123', an email field containing 'datadana@example.com', and a password field with masked characters. Each field has a green checkmark icon to its right. Below the password field, a note states: 'Use at least one lowercase letter, one numeral, and seven characters.' A large green button labeled 'Sign up for GitHub' is positioned below the form. At the bottom right, a small disclaimer reads: 'By clicking "Sign up for GitHub", you agree to our terms of service and privacy policy.'

GitHub

Search or type a command

Explore Features Enterprise Blog Sign in

Build software better, together.

Powerful collaboration, code review, and code management for open source and private projects. Need private repositories? Upgraded plans start at \$7/mo.

datadana123 ✓

datadana@example.com ✓

..... ✓

Use at least one lowercase letter, one numeral, and seven characters.

[Sign up for GitHub](#)

By clicking "Sign up for GitHub", you agree to our terms of service and privacy policy.

Set Up a GitHub Account

- On the next screen, select the free plan and click "Finish sign up"

Welcome to GitHub

You've taken your first step into a larger world, @datadana123.

✓ Completed
Set up a personal account

📁 Step 2:
Choose your plan

🔑 Step 3:
Go to your dashboard

Choose your personal plan

Plan	Cost	Private repos	
Large	\$50/month	50	<button>Choose</button>
Medium	\$22/month	20	<button>Choose</button>
Small	\$12/month	10	<button>Choose</button>
Micro	\$7/month	5	<button>Choose</button>
Free	\$0/month	0	<button>Choose</button>

Each plan includes:

Unlimited collaborators
Unlimited public repositories

- ✓ Free setup
- ✓ SSL Protection
- ✓ Email support
- ✓ Wikis, Issues, Pages, & more

Don't worry, you can cancel or upgrade at any time.

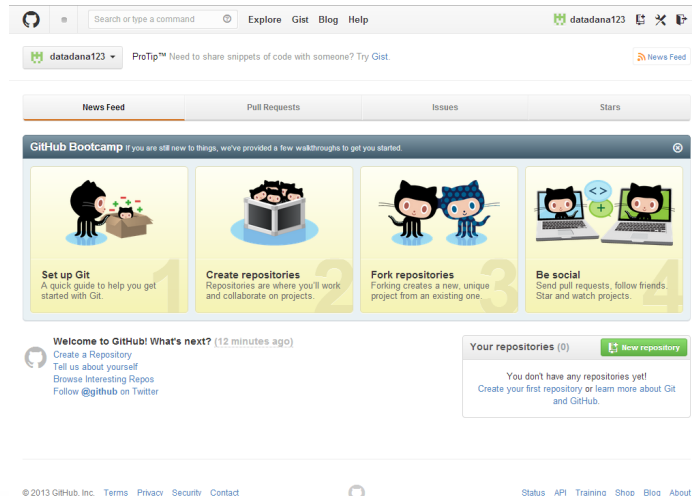
📁 Help me set up an organization next

Organizations are separate from personal accounts and are best suited for businesses who need to manage permissions for many employees.
[Learn more about organizations.](#)

Finish sign up

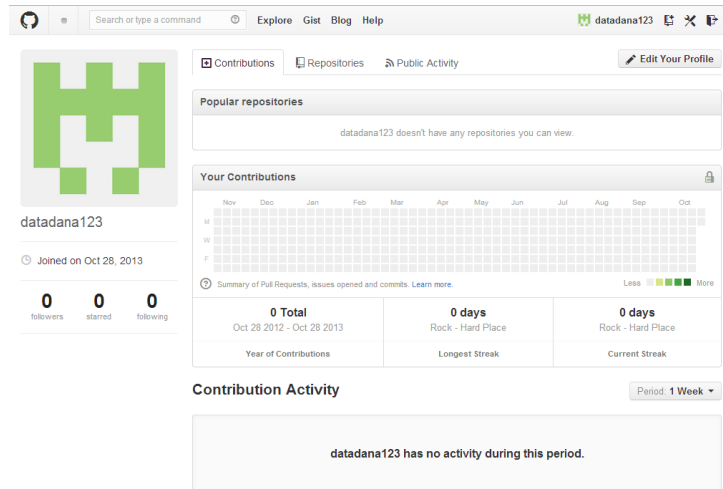
Navigating GitHub

- After signing up, you will find yourself on this page, which has several helpful resources for learning more about Git and GitHub
- Try clicking on your username in the upper righthand corner of the screen to view your GitHub profile



Your GitHub Profile

- Your profile is where all of your activity on GitHub is displayed
- Allows you to show other people who you are and what you are working on
- As you work on more and more projects, your profile becomes a portfolio of your work



Your GitHub Profile

- Finally, if you click on "Edit Your Profile" in the top righthand portion of the screen you can add some basic information about yourself to your profile
- This is totally optional, but if you do good work, you ought to take some credit for it!
- In the next lecture, we'll get you started by walking you through two ways of creating a repository
- In the meantime, feel free to explore the GitHub site for interesting projects that others are working on