

# Using GitHub for Data Scientists

GoSkills online course syllabus

**Skill level**

Beginner

**Lessons**

19

**Pre-requisites**

No prior experience needed

**Video duration**

44m

**Estimated study time**

44m 25s

**Instructor**

Sara Anstey

## Introduction

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### 1 Collaboration is the key

## GitHub Foundations

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### 2 What is GitHub?

GitHub is one of the platforms you will likely encounter when working on projects with teams.

### 3 How does GitHub work?

GitHub's main function is to transfers and shares code among teams.

### 4 Common GitHub terminology

GitHub has many words and phrases that are unique to its platform. After this lesson you'll be able to use common definitions to operate in GitHub.

### 5 Using GitHub for collaboration

Data scientists are constantly collaborating on the same projects or tackling similar issues.

### 6 Accessing learning resources

As data science expands, so do the resources to understand it.

## Using Repositories in GitHub

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### 7 Creating a repository in GitHub

In order to collaborate with your peers and work on code in GitHub, you will first need to create a repository to hold the code.

## 8 Cloning a repository in GitHub

Once you've created a repository in GitHub, you will need to "clone" a version that is copied to your local machine.

## 9 Branching in GitHub

Branches are different versions of the code that live within the repository.

## 10 Commit in GitHub

A commit adds your latest changes to the source code to the repository.

## 11 Pull requests in GitHub

Pull requests let you notify others about changes you've pushed to a repository.

## 12 Resolving common merge issues

GitHub is a great collaboration tool, but sometimes there are issues with merging codes.

# Creating a GitHub Portfolio

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## 13 The value of a GitHub portfolio

Your data science portfolio highlights your skills and capabilities.

## 14 Creating a powerful portfolio

Creating a strong portfolio can establish you as a qualified data scientist.

# Community Building

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## 15 Finding collaborators to follow

Collaboration is critical to getting the most out of GitHub.

## 16 Contributing to open source projects

Open source repositories are a great way to collaborate with others. After this lesson, you'll be able to contribute code to public repositories.

# Common GitHub Resources

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## 17 Where to find answers

If you're confused or have a question, someone else has likely had the same issue.

## 18 Graphic user interfaces

User interfaces make it easier to plug GitHub into your local machine.

# Conclusion

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## 19 Moving beyond the basics of GitHub

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