Goskills

Using GitHub for Data Scientists

GoSkills online course syllabus

Skill level
Beginner

Lessons
19

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Pre-requisites
No prior experience needed

Video duration
44m

Estimated study time
44m 25s

Instructor
Sara Anstey

Introduction

1 Collaboration is the key

GitHub Foundations

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

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

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

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

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

19 Moving beyond the basics of GitHub

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