

# Today's Menu

- Summary of major learning goals
- Course discussion and feedback (<a href="https://board.net/p/BIMM143">https://board.net/p/BIMM143</a> SP23 DiazGay
- Final exam
  - Test structure, guidelines and rules
  - Topics and example questions
  - Exam preparation, discussion and open study
- Polish our GitHub content and publish your own website portfolios
- SET evaluation (<u>Link</u>)
- Bioinformatics in industry session! (1:30pm)

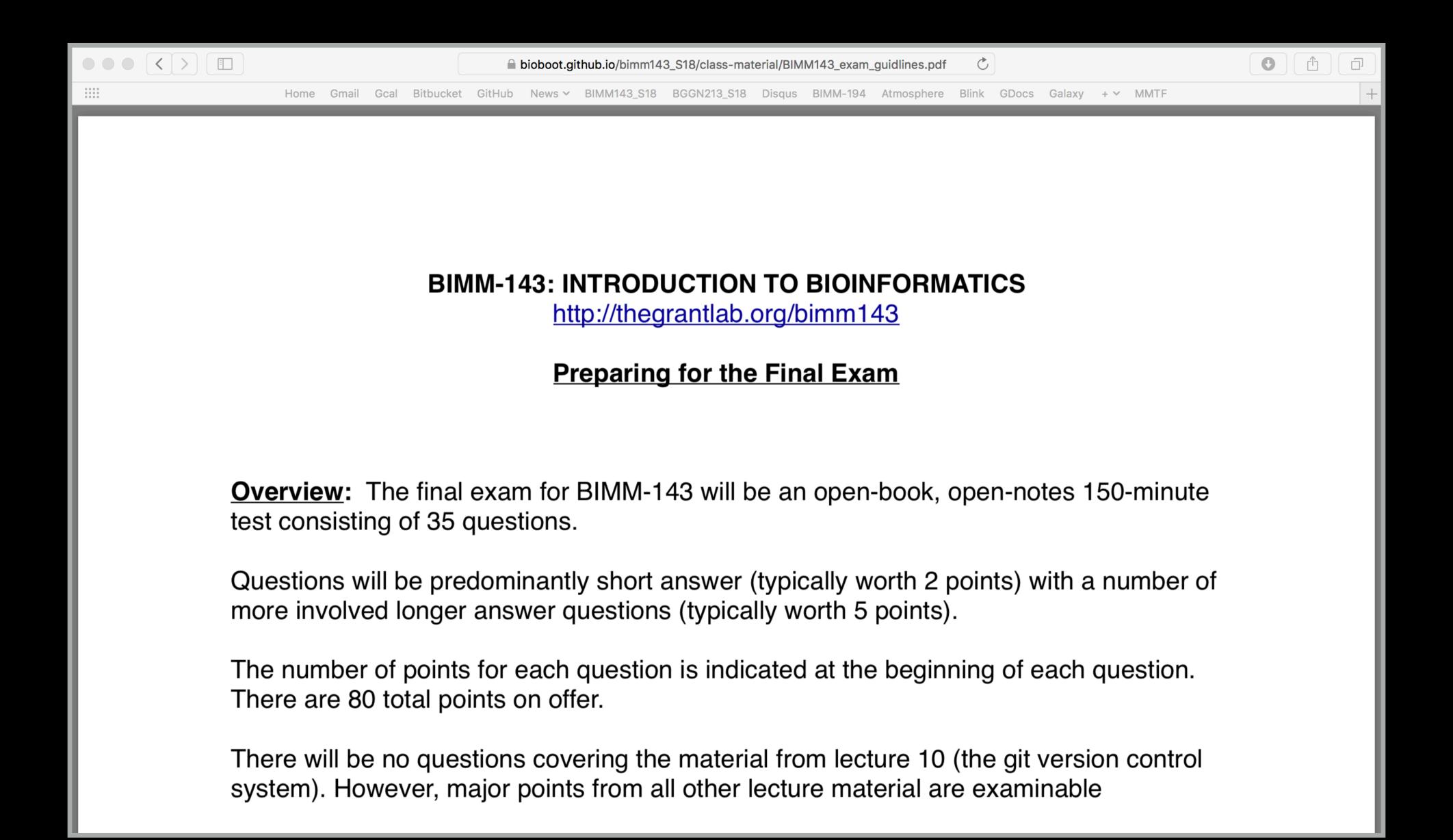
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### https://bioboot.github.io/bimm143 F22/class-material/BIMM143 exam guidlines.pdf



- Q1. Did you enjoy this course in relation to others you have experienced at UCSD?
- Q2. Should this course be offered again? Still in-person or fully remotely?
- Q3. If so what changes would you recommend for this course? (e.g., more/less DataCamp & Projects)
- Q4. Was the course effectively organized (lecture and lab material online vs handout or Canvas site)?
- Q5. What advice would you give to another student who is considering taking this course?
- Q6. Considering both the limitations and possibilities of the subject matter and the course, how would you rate the overall effectiveness of this course and the instructional team?
- Q7. Do you agree or disagree The course developed my abilities and skills for the subject?
- Q8. On average, how many hours per week have you spent on this course? (including attending classes, doing homeworks, and assignments)
- Q9. Any other comments you would like to share?

EtherPad Version: https://board.net/p/BIMM143 SP23 DiazGay

Form Version: <a href="https://forms.gle/phWPQtPpknDgoCMa6">https://forms.gle/phWPQtPpknDgoCMa6</a>

# Thank you very much!

# GitHub Spit & Polish

# Introduction to Bioinformatics



A demo site of students cool class web site

View the Project on GitHub bioboot/bimm143-1

This project is maintained by bioboot

Hosted on GitHub Pages — Theme by orderedlist

#### **Bioinformatics Class**

This is my repository for my Bioinformatics class from UC San Diego in S18.

#### **Index of Material**

Introductory Material: Working With R

Class 5 - Basic Data Exploration and Visualization in R HTML, MD, Rmd

Class 6 - Creating R Functions

Class 7 - R Packages, working with CRAN, and working with Bioconductor

Using R and Other Tools for Bioinformatics Analysis

Class 8 - An Introduction to Machine Learning (Heirarchical Clustering)

Class 9 - Analyzing High Dimensional Datasets and Unsupervised Learning

Class 11 - Structural Bioinformatics: Analyzing Protein Structure and Function

Class 12 - Drug Discovery: Techniques and Analysis

Class 13 - Genome Informatics and High Throughput Sequencing (NGS, RNA-Seq, and FastQC)

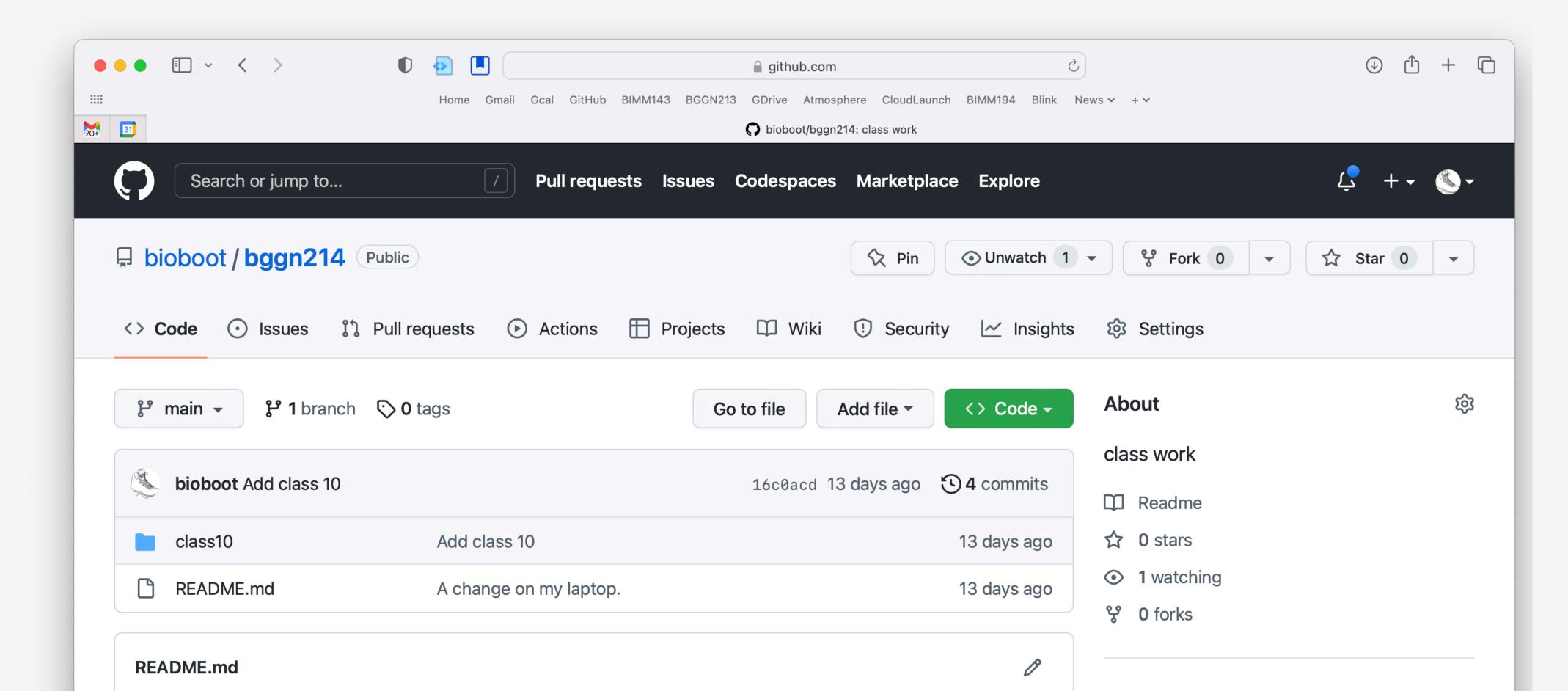
Class 14 - Transcriptomics and RNA-Seq Analysis

In your web browser navigate to your GitHub class repository < <a href="https://github.com/">https://github.com/</a> >

#### **Side-note:**

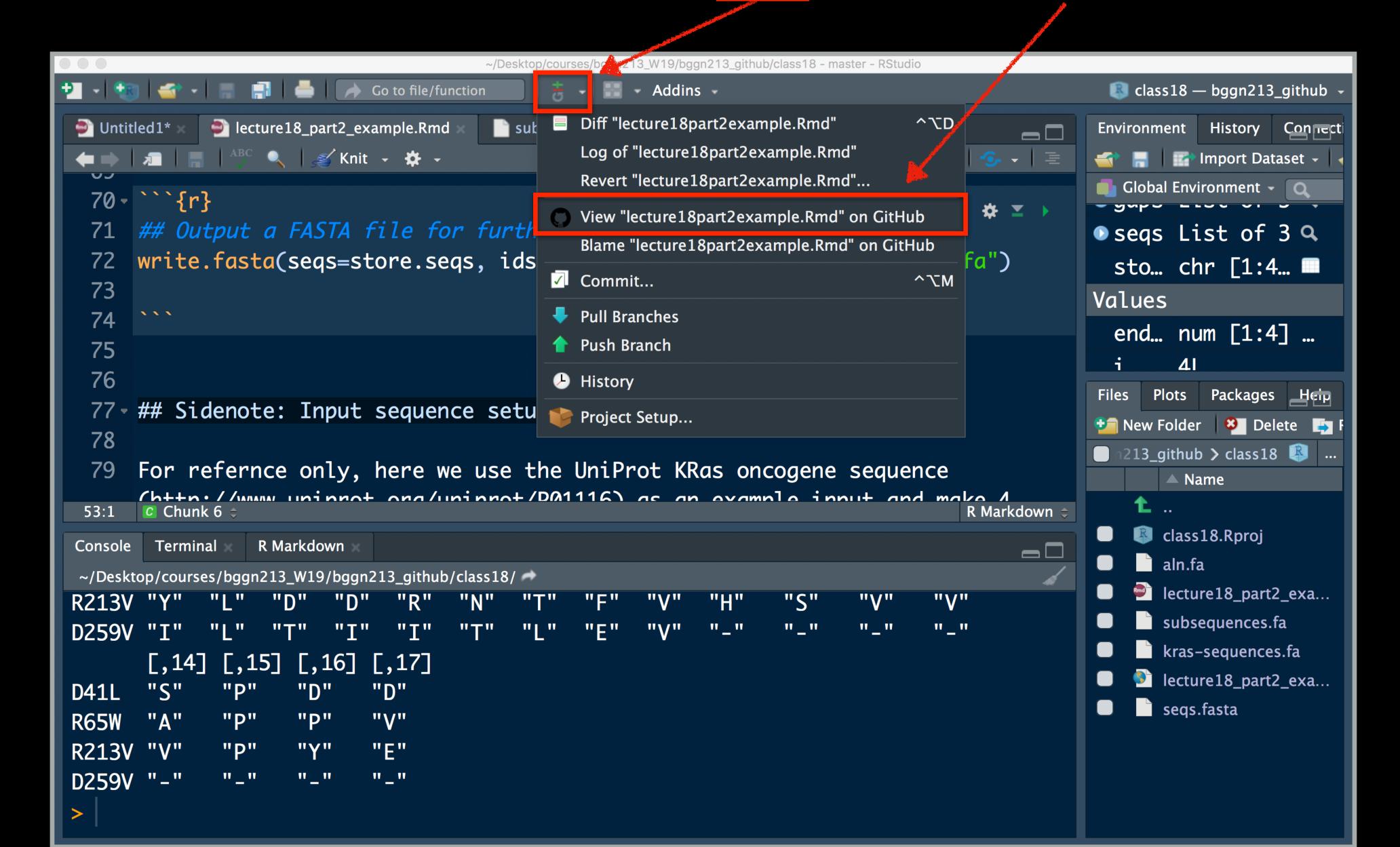
To find the link to your GitHub repository from RStudio, open one of your past class projects and in the terminal type:

git remote -v



## Or for a given GitHub tracked file click GIT icon and "VIEW on GITHUB"

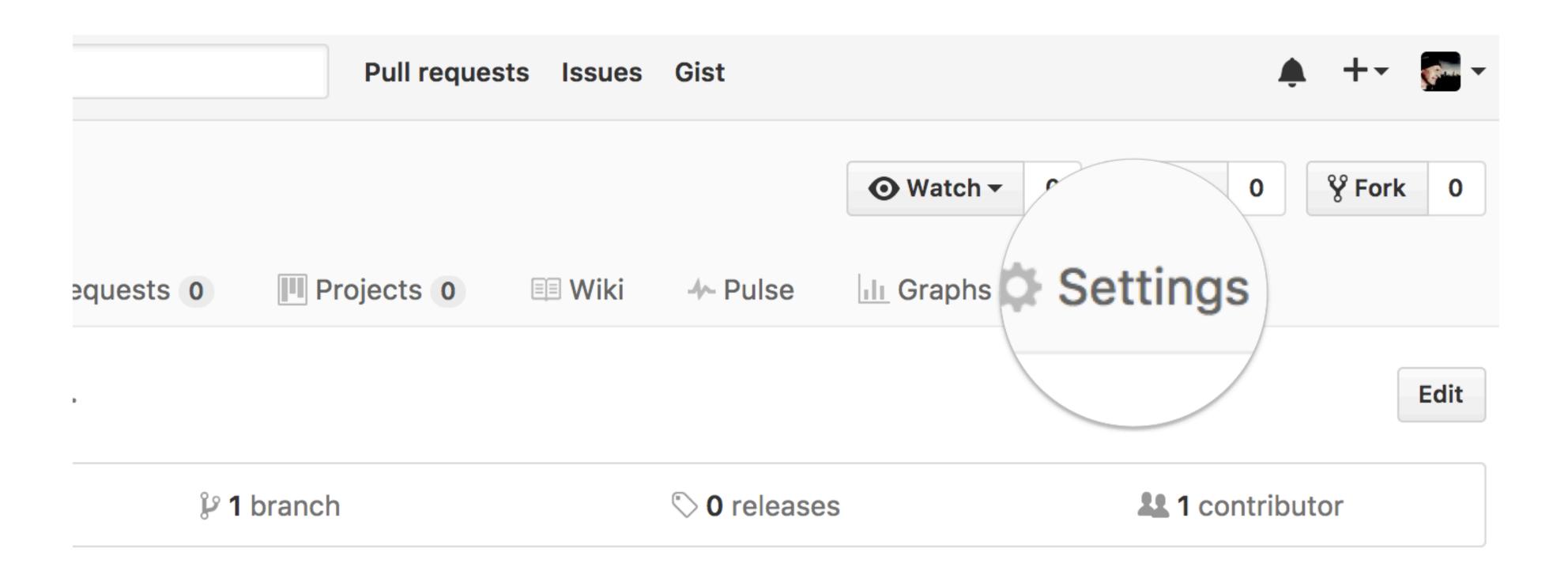




# Repository Settings

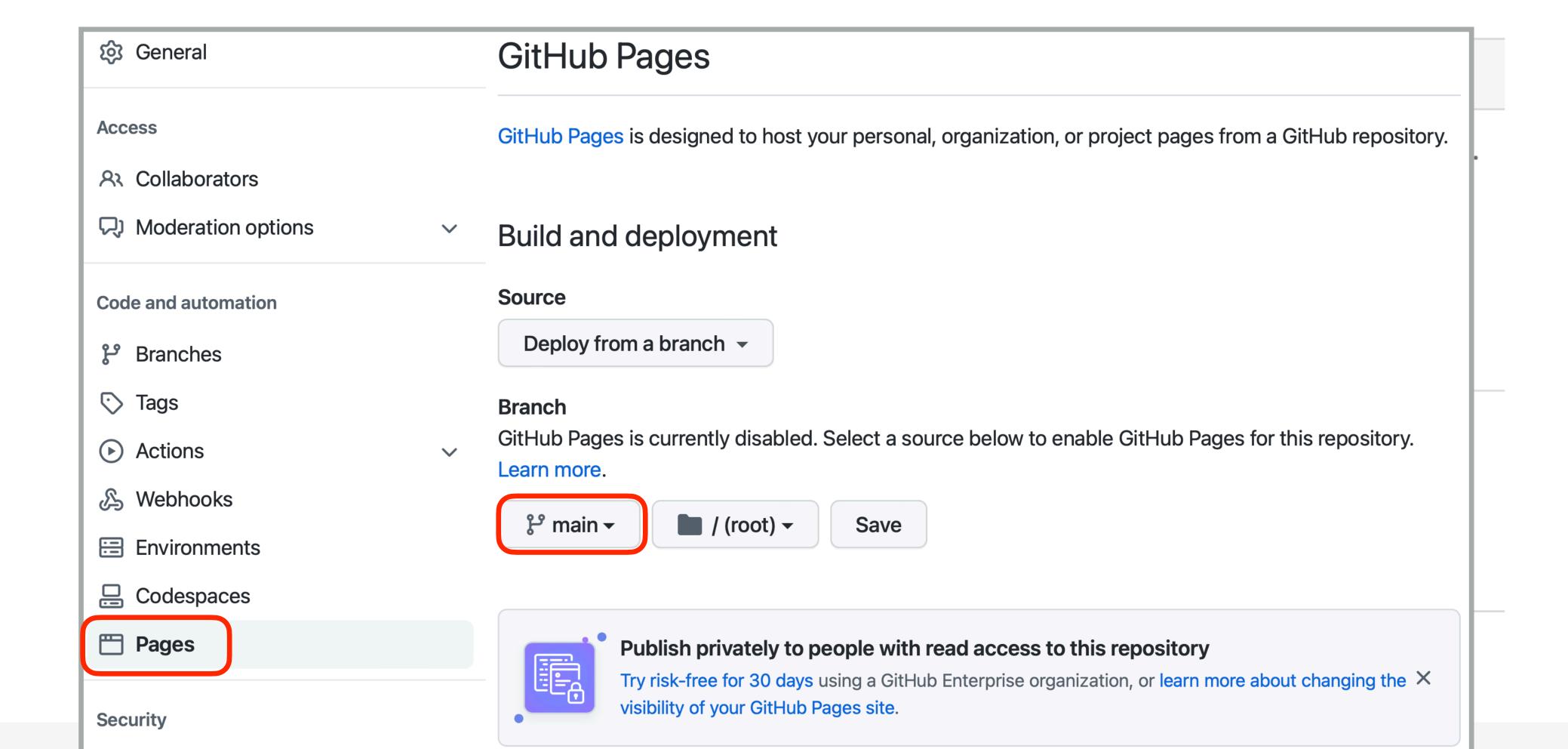
Head over to your GitHub class repository (where you are "pushing" all your class work)

Click on the Settings tab.

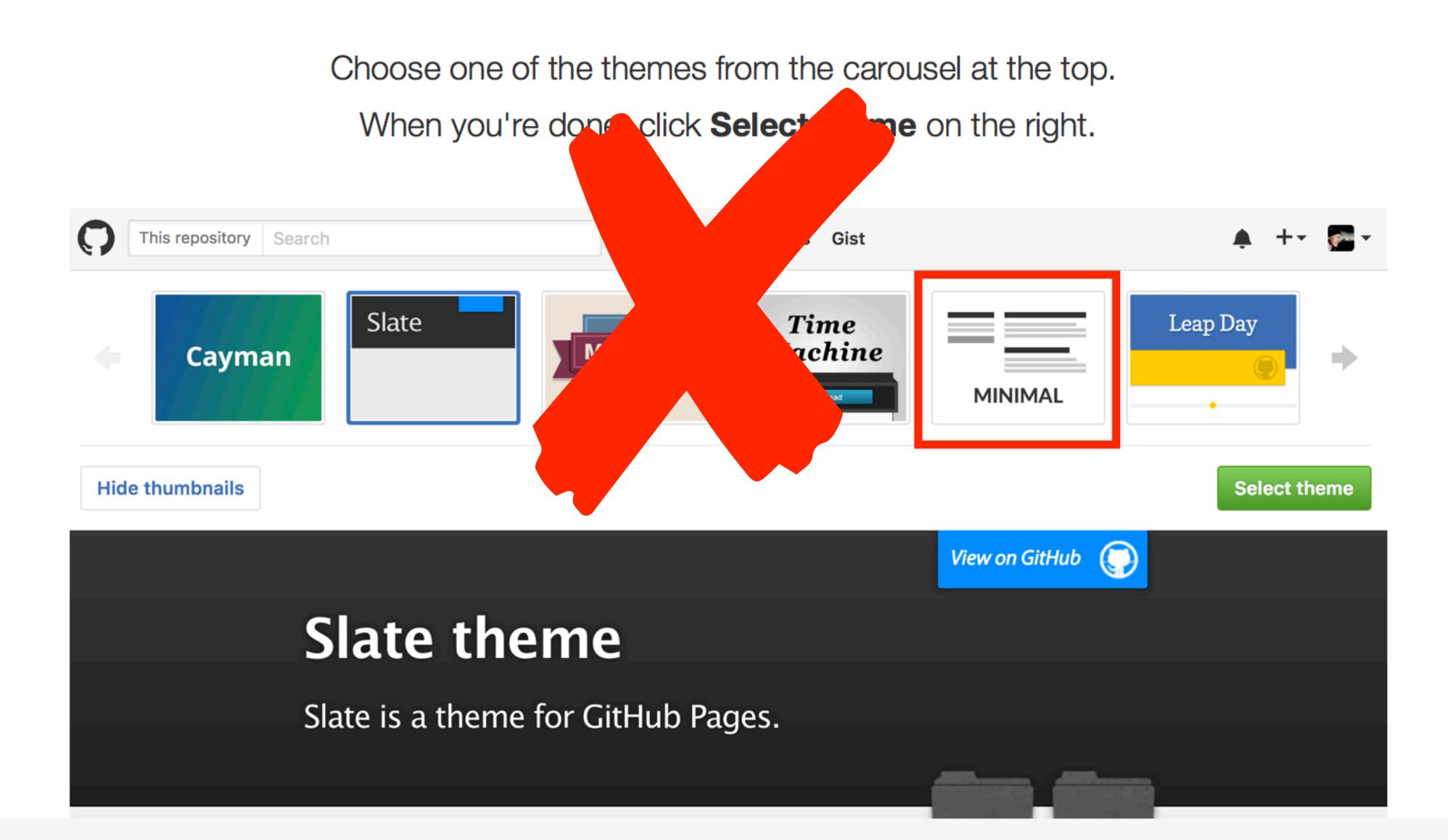


### Theme chooser

Go to the Pages section in the sidebar. Then change the Branch from "None" to "main".



### Pick a theme



### Side-note:

Scroll down again to the GitHub Pages section to find the link to your new website.

Open this link in a New Tab of your browser:

### GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is ready to be published at https://bioboot.github.io/bimm143\_serina\_f18/.

#### Source

Your GitHub Pages site is currently being built from the master branch. Learn more.

master branch ▼ Save

#### **Theme Chooser**

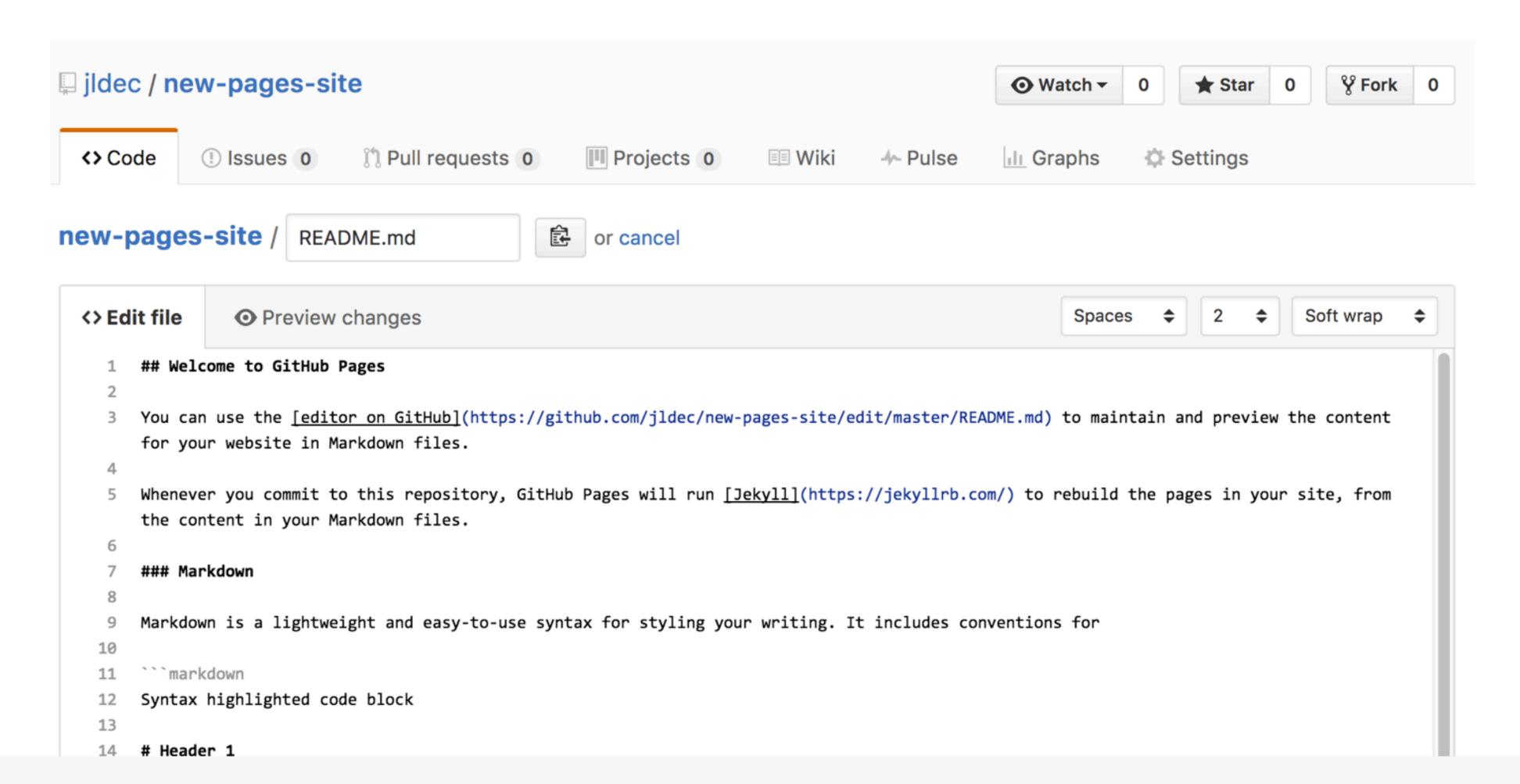
Select a theme to publish your site with a Jekyll theme. Learn more.

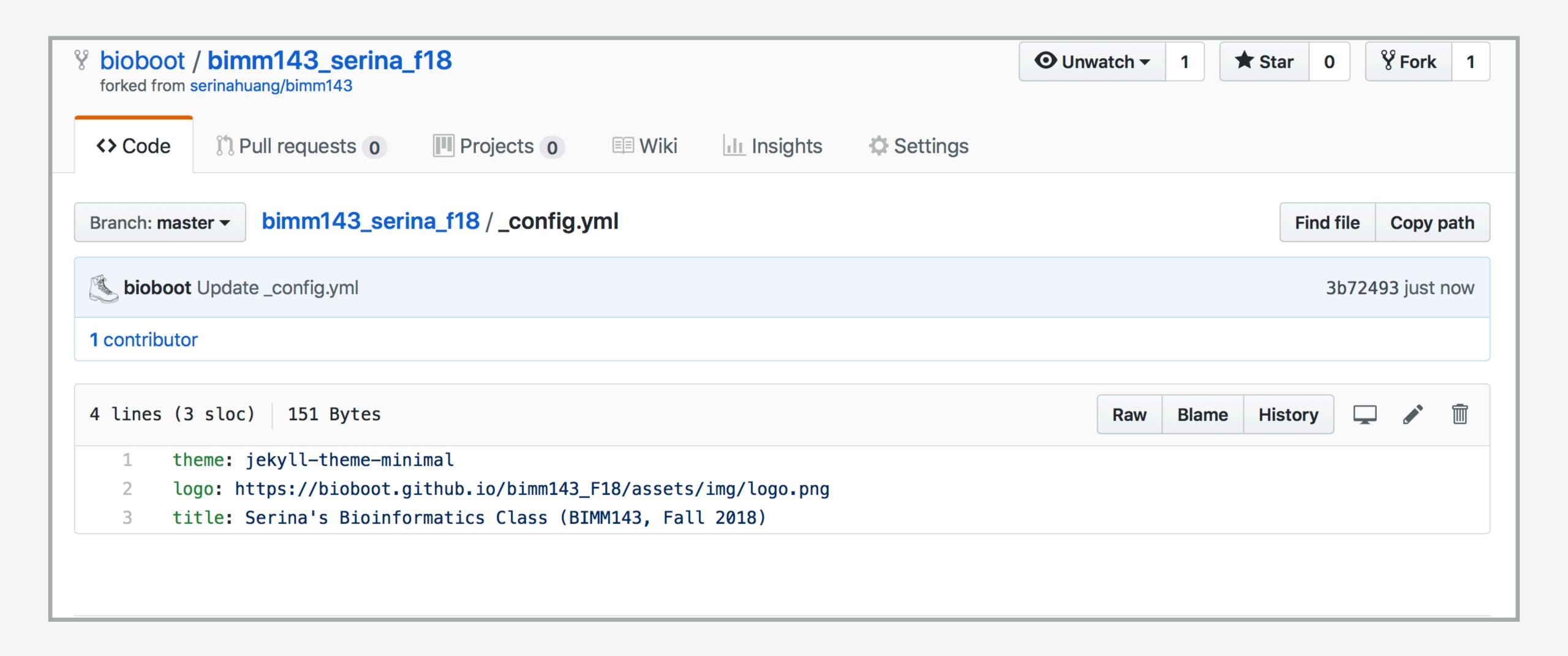
Your site is currently using the Minimal theme.

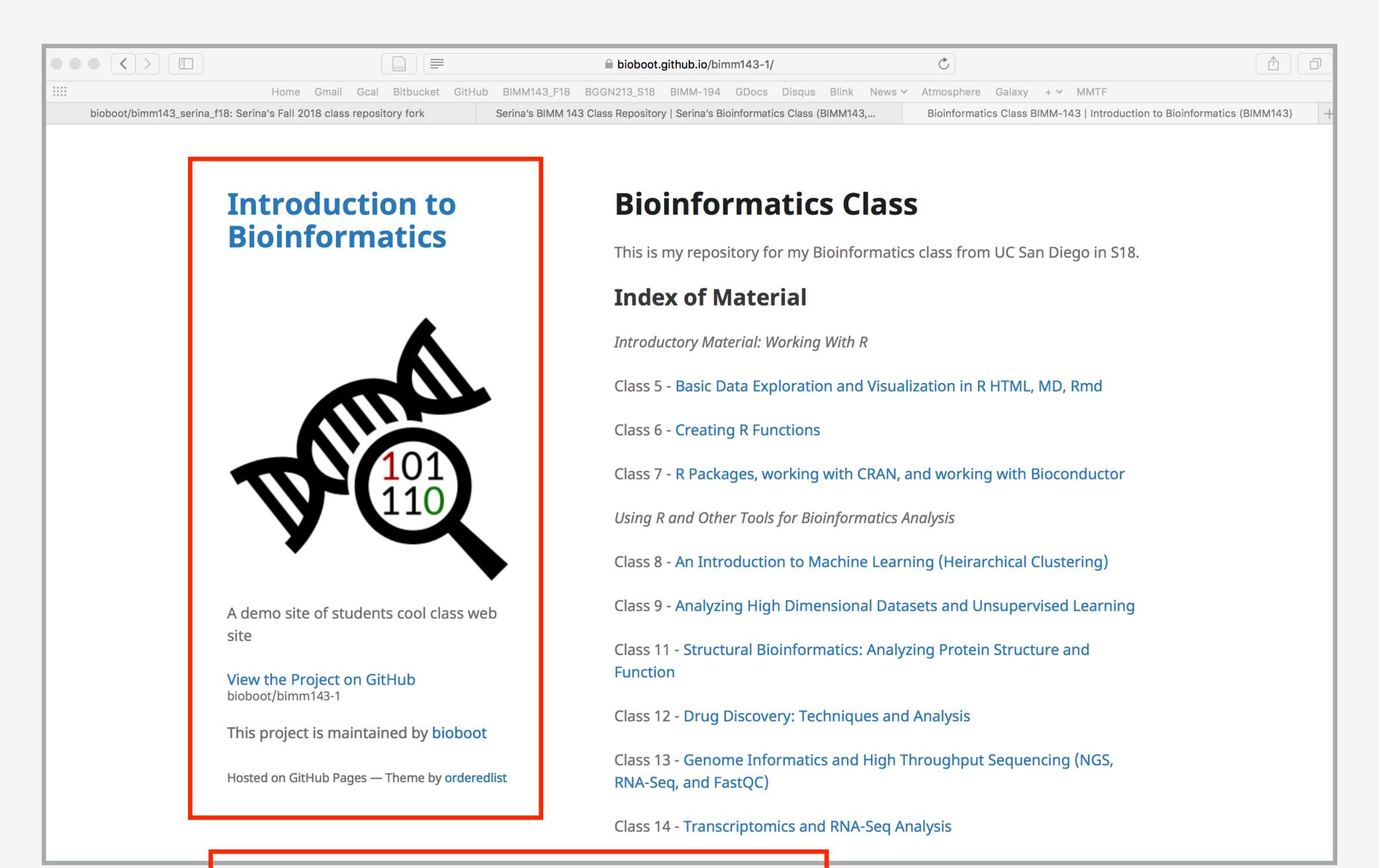
Change theme

### Edit content

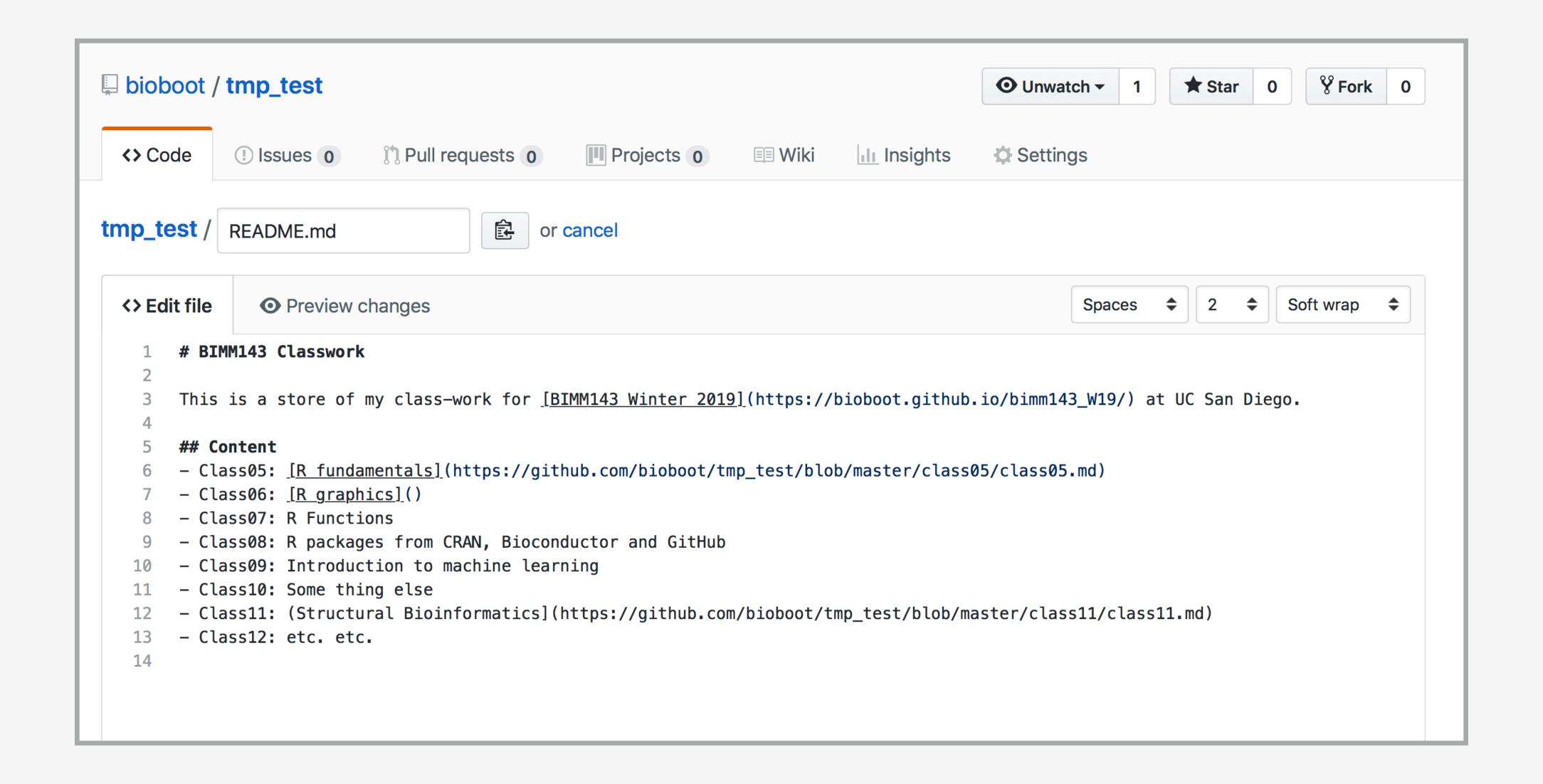
Back on the repository main page use the GitHub online editor to add content. In particular, add links to each classes .MD file



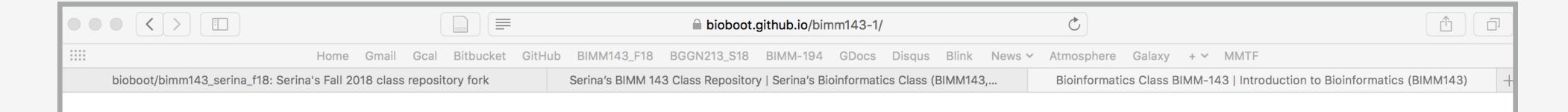




(4.1) Edited config.yml (adding logo and title), (4.2) Edited README.md



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(4.1) Edited config.yml (adding logo and title),

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### Commit

Enter a commit comment and click on **Commit changes** below the editor.



### **Commit changes**

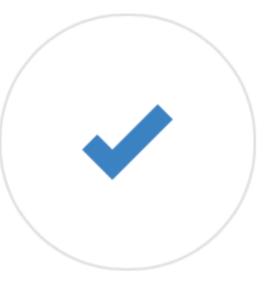
Add content to new pages site

Add an optional extended description...

Commit directly to the master branch.

# ...and you're done!

Fire up a browser and go to http://username.github.io/repository.



# Thank you very much!

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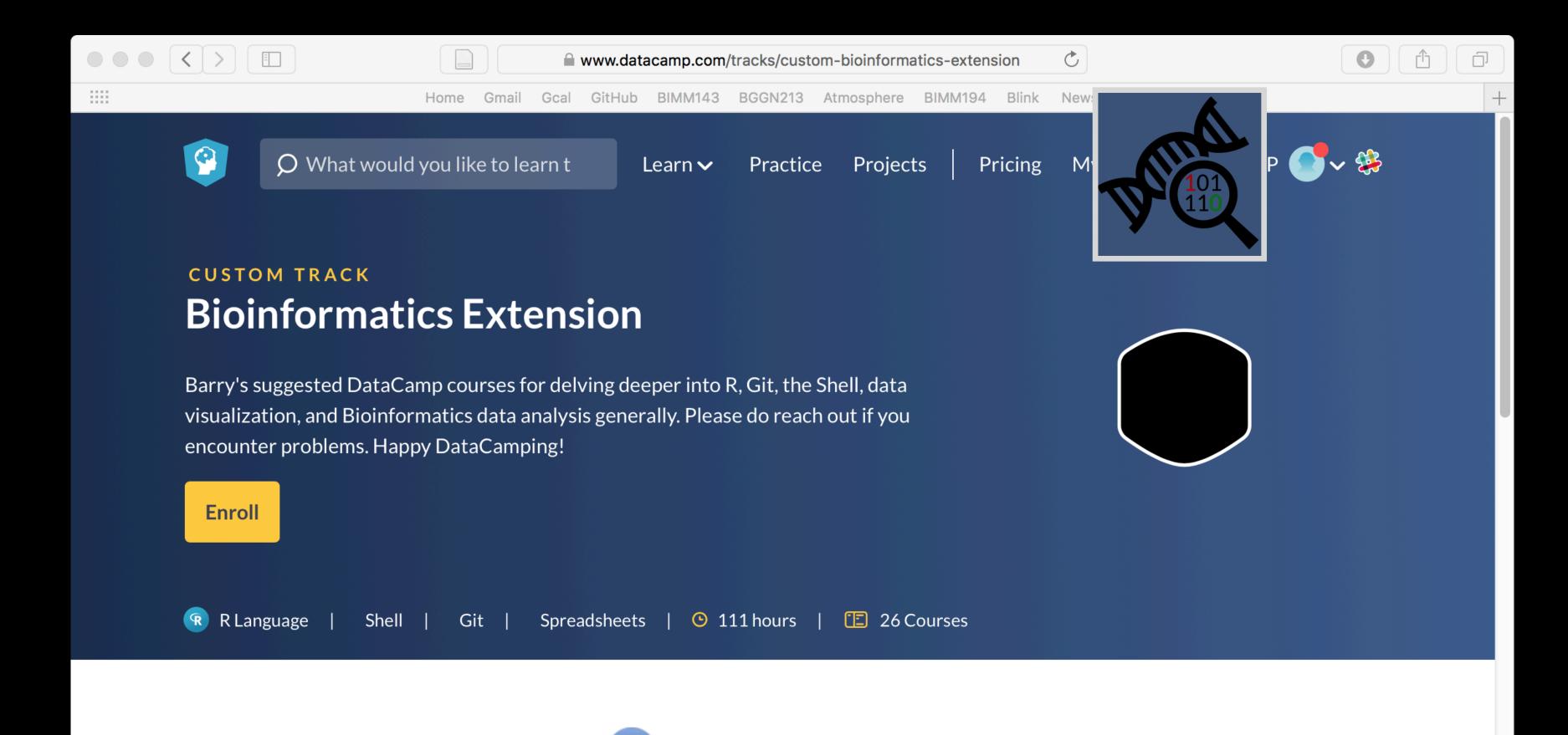
Post your GitHub Pages portfolio URL to GradeScope!

Remember: Late Due Date for all past assignments -> Friday, June 16 at 12pm

# Bonus:

# Going Further With DataCamp

https://marcos-diazg.github.io/BIMM143 SP23/class-material/class20/datacamp\_extras.pdf



# SET evaluations

Please fill out the new Student Evaluations of Teaching (SET) if you have a chance. It is important to the courses we offer in the future and how we teach them!

Pouncement.

# Bonus:

# Bioinformatics & Genomics in Industry (2020 edition) Live Stream Video

Enjoy a set of short interviews from leading genomic scientists at Illumina Inc., Synthetic Genomics Inc., and the La Jolla Institute for Immunology



