CBW Bookdown Guide

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Part I

Introduction

Chapter 1

CBW's Bookdown Documentation

Welcome to CBW's documentation for creating a workshop website using Bookdown. Bookdown is an R package that is used to build books, and in our case, the websites hosting CBW's workshops! You will only need to know markdown and whatever coding language you will be using to learn bookdown.

Please note: this is the documentation to create a workshop using *bookdown*. If **Jupyter Book** suits you better, see here.

If you don't know which one to use, use the following flowchart to help decide:

Chapter 2

Regional Coordinator Cheat Sheet

This section will teach you to set up your GitHub Pages site for workshops. Note that it assumes you've already followed the installation instructions in the next section.

2.1 Create your repo

1. At the **bookdown template**, click "Use this template" and then "Create a new repository".

2. Set your details

- Repo name = workshop code (e.g. INR_Mon-2510)
- Visibility = public
- Save

3. Configure your workshop

- Open workshop_config.json in your browser and replace all variables. Commit.

4. Deploy

- From your repo on GitHub, go to Settings > Pages
- Ensure it is set to "Deploy from a branch"

- Set branch to "main"
- Change folder to /docs
- Save!
- Check deploy by going to Actions

5. Clone to your computer

- On your repo page on GitHub's website, click the green Code button, ensure SSH is selected, and copy the text in the box
- On your local machine, open your terminal and navigate to the folder where you store your CBW Github repos
- Run `git clone [THE TEXT YOU JUST COPIED]`

6. Configure your repo

- Open the .Rproj file in the folder you've just downloaded
- Upload your workshop icon to the `img/` folder
- In _output.yml, replace `missingimg.png` with your icon's filename
- Hit "Build Book" and check preview once complete
- Commit and push

2.2 Give your team access

1. Set up your faculty team

- On GitHub's website, go to the bioinformaticsdotca organization teams page
- Create a team named as your workshop code (e.g. INR_Mon-2510); leave all settings as their defaults
- Add your instructors and TAs to the team

2. Give repo access

- On your repo page on GitHub's website, navigate to Settings > Collaborators and Teams
- Click "Add Teams" and select your team
- Give your team Maintain access

Chapter 3

Instructor Crash Course

3.1   Clone your repo

Your coordinator will have already created your repository.

Chapter 4

Installations