

# The Alan Turing Institute

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## *The Turing Way* Book Dash

Malvika Sharan & Kirstie Whitaker

Pronouns: she/her



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# The Turing Way



An Open Source guide on Data Science.

We involve and supports a **diverse community** to make data science reproducible, ethical, collaborative and **inclusive for everyone.**

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# *The Turing Way* Book Dash Plan

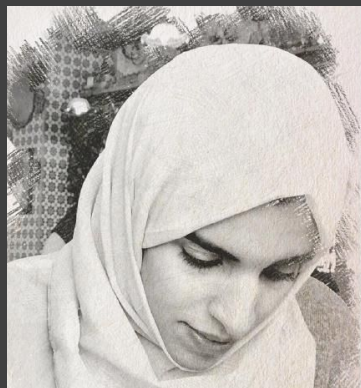
- Each day, 3 development sessions, one social session
- Each development session (2.5 hrs) will follow the pomodoro techniques (short quiet working slots)
- We will use <https://cuckoo.team/tw-bookdash>

Collaborative Notes: [hackmd.io/@turingway/bookdash-may2021](https://hackmd.io/@turingway/bookdash-may2021)

# Book Dash Planning Committee



Arielle Bennett



Batool Almarzouq



Brigitta Sipőcz



Carlos Martinez



Emma karoune



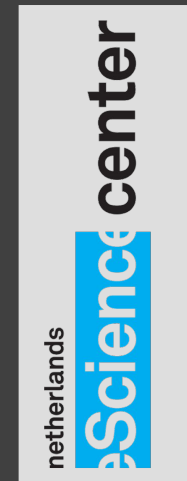
Esther Plomp



Laura Carter



Pablo Rodríguez-Sánchez





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# The Turing Institute



<https://www.turing.ac.uk/news/enigma-machine-goes-display-alan-turing-institute>

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# University network



THE UNIVERSITY  
of EDINBURGH



# The Institute's partners and collaborators



# The Alan Turing Institute to spearhead new cutting-edge data science and AI research after £48 million government funding boost

Learn more ↓

Tuesday 18 Dec 2018

Filed under  
[New funding](#)

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[Data-centric engineering](#)

[Health and medical  
sciences](#)

[Public policy](#)

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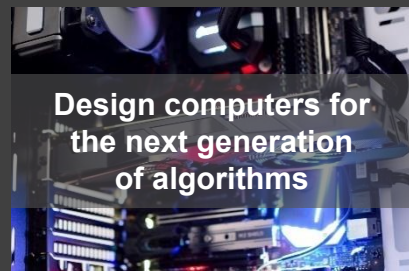
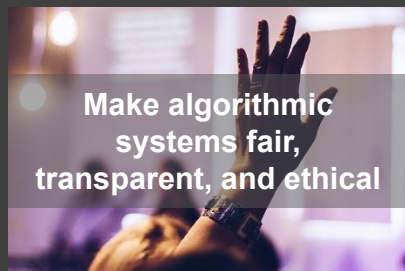
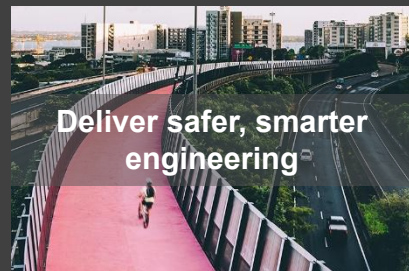
[Urban analytics](#)

[Research Engineering](#)



# Challenges

Advance data science and artificial intelligence to...



# *The Turing Way*







**Book:**  
[the-turing-way.netlify.app](https://the-turing-way.netlify.app)

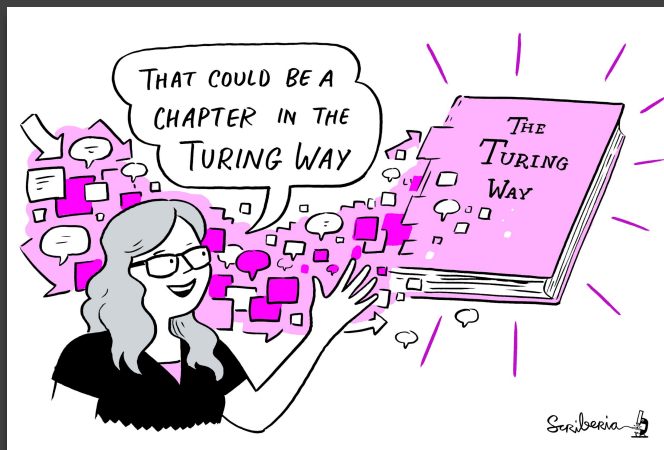
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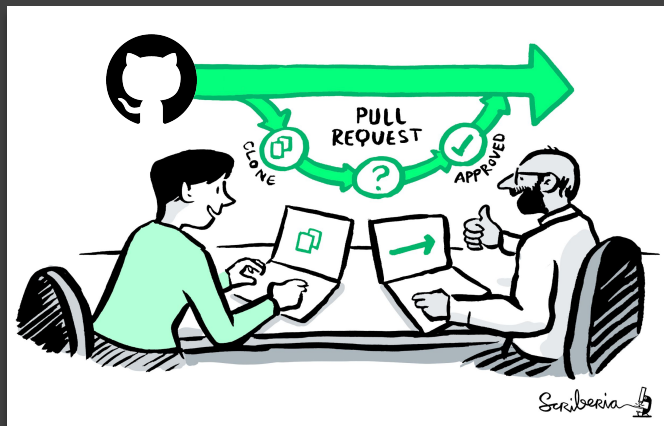
## A Book



## A Community



## An Open Source Project

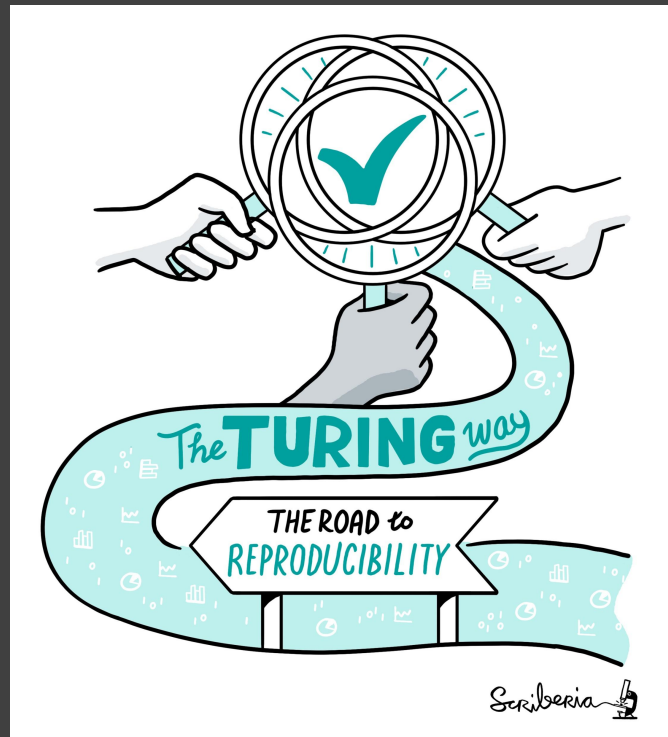


## A Culture of Collaboration



## A note on the name

- This is **not** a Turing project (although it has great support from the Institute)
- We are creating guidance together, **the way** is a journey not a set of rules





**Book:**  
[the-turing-way.netlify.app](https://the-turing-way.netlify.app)

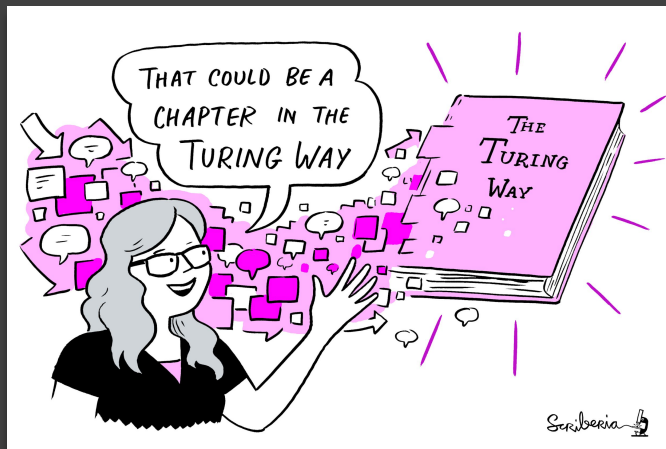
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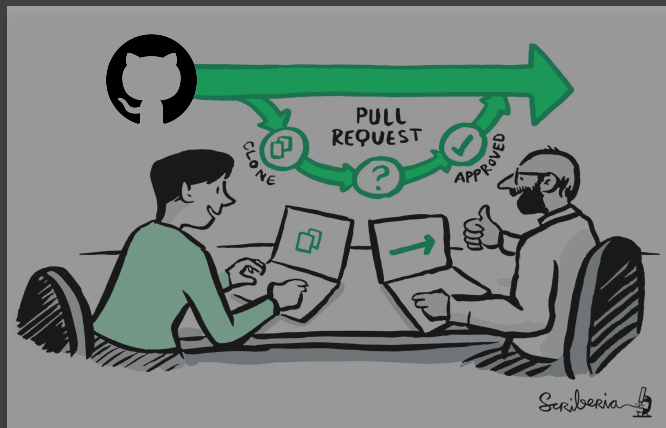
## A Book



## A Community



## An Open Source Project



## A Culture of Collaboration





## The Turing Way

🔍 Search this book...

### Welcome

Guide for Reproducible Research

Guide for Project Design

Guide for Communication

Guide for Collaboration

Guide for Ethical Research

Community Handbook

Afterword

*The Turing Way* is an open source community-driven guide to reproducible, ethical, inclusive and collaborative data science.

Our goal is to provide all the information that data scientists in academia, industry, government and the third sector need at the start of their projects to ensure that they are easy to reproduce and reuse at the end.

The book started as a guide for reproducibility, covering version control, testing, and continuous integration. However, technical skills are just one aspect of making data science research "open for all".

In February 2020, *The Turing Way* expanded to a series of books covering reproducible research, project design, communication, collaboration, and ethical research.

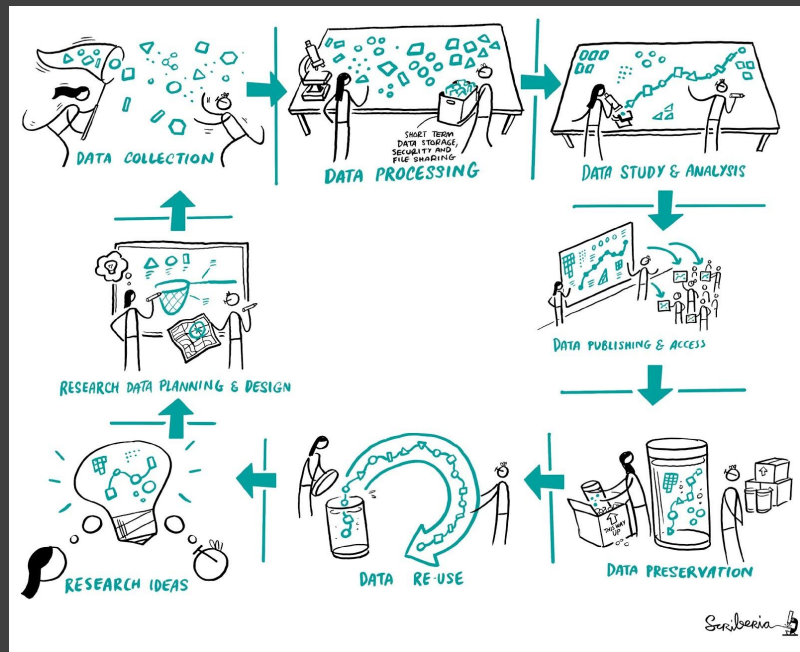


# Started as a book on reproducibility

Same analysis steps on the same dataset produces same answer

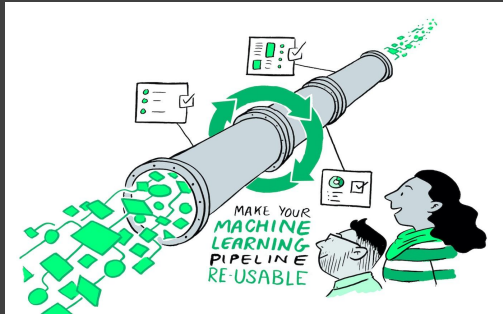
This process is overwhelming.

2 yrs, >150 subchapters, >250 contributors and a successful community of practice.





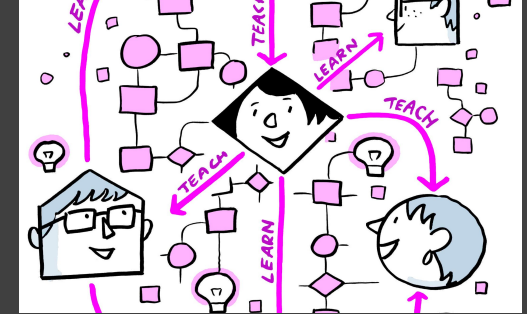
# The Turing Way Guides



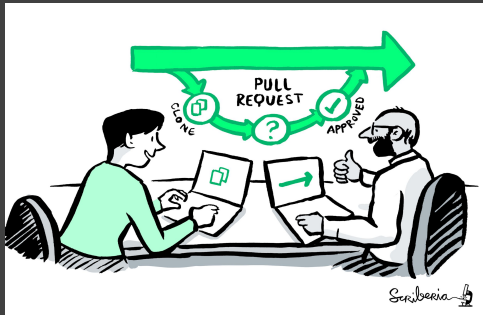
Reproducibility



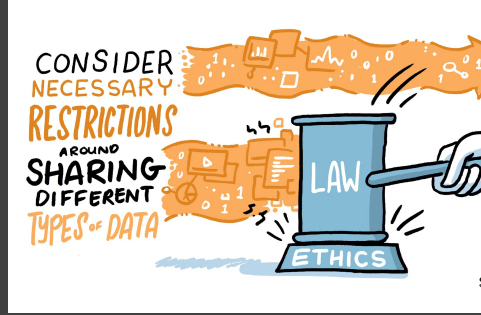
Project Design



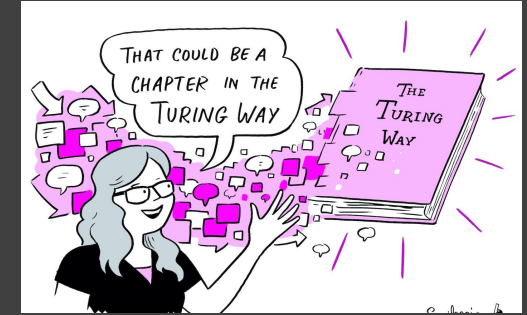
Communication



Collaboration



Ethical Research



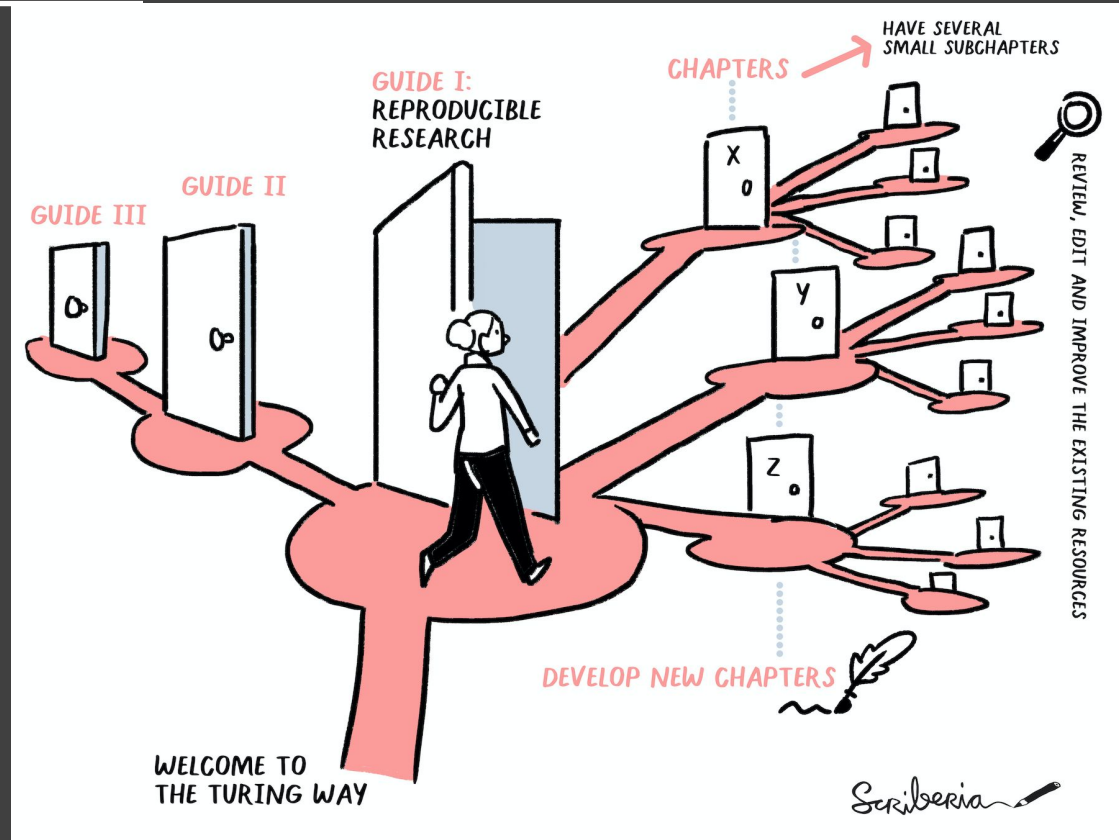
Community Handbook



# Book's Structure

Chapters with short modular subchapters.

Don't reinvent what is already out there - highlight them!



# Guidance and Templates



## Templates

In the [book directory](#) of the *The Turing Way*'s Github repository, you will find a [templates sub-directory](#) that contains templates for writing chapters and case studies. Please use them to guide and structure your contributions to *The Turing Way*.

## Chapters

Chapters are *the* building blocks of *The Turing Way* book and each Guide in *The Turing Way* spans several chapters that all explore topics under the Guide's overall theme.

Chapters, themselves, contain *sub-chapters* that delve deeper into the chapter's topic, a *Checklist* section that itemises action points for readers to take based on the key concepts from the chapter, and a *Resources* section that points readers to other resources where they can investigate the chapter's topic further. In addition, a chapter may contain a *Personal Stories* sub-chapter that studies how an individual practices the chapter's topic in their work.



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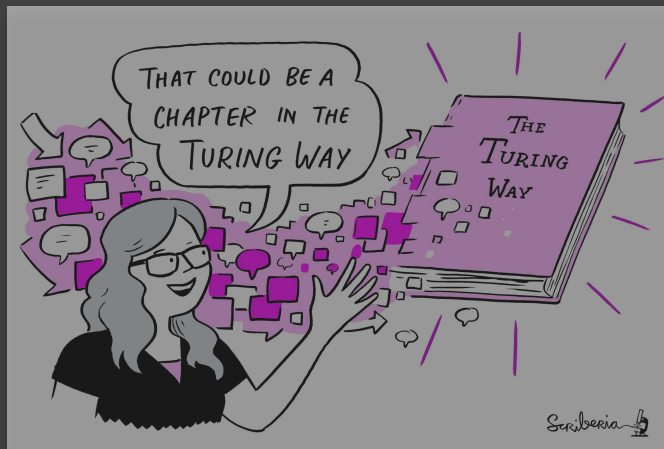
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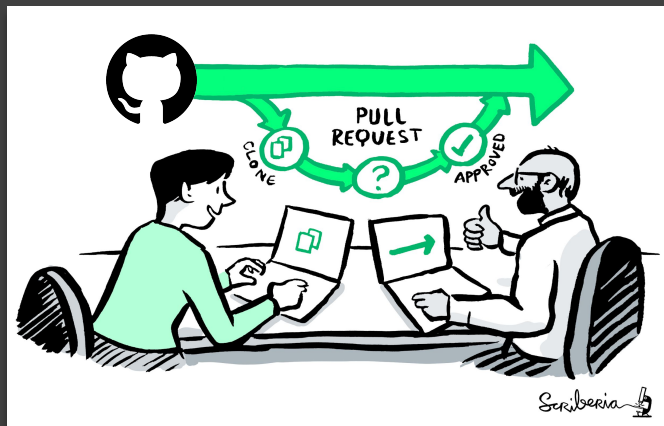
## A Book



## A Community



## An Open Source Project



## A Culture of Collaboration



# Open Source Project

- Everyone can freely read, reuse, distribute, modify and develop.
- The project **belongs to *The Turing Way* community**.
- **Built on open source** infrastructure:  
Git, Jupyter Book, Binder, Nelfy:  
[the-turing-way.netlify.app/welcome](https://the-turing-way.netlify.app/welcome)



# Contributions via GitHub

[https://github.com/  
alan-turing-institute/the-turing-way](https://github.com/alan-turing-institute/the-turing-way)

## The Turing Way

read the book receive our newsletter ♥ | chat on gitter DOI 10.5281/zenodo.3233853 TuringWay I want to contribute!

all contributors 206

*This README.md file is also available in Dutch ([README-Dutch](#)), Italian ([README-Italian](#)), Portuguese ([README-Portuguese](#)), and Spanish ([README-Spanish](#)) (listed alphabetically).*

*The Turing Way* is a lightly opinionated guide to reproducible data science. You can read it here: <https://the-turing-way.netlify.com> You're currently viewing the project GitHub repository where all of the bits that make up the guide live, and where the process of writing/building the guide happens.

Our goal is to provide all the information that researchers need at the start of their projects to ensure that they are easy to reproduce at the end.

📁 .github	Remove prettier configuration	last month
📁 book	minor update	5 days ago
📁 communications	Fix typos	14 days ago
📁 conferences	Add KW formatting pedantry	last month
📁 project_management	Update online-collaboration-cafe.md	14 days ago
📁 templates	Updating Github templates	11 months ago
📁 tests	Add "et cetera" as a deprecated Latinism	6 days ago
📁 workshops	Remove mis-pasted text	13 days ago
📄 .all-contributorsrc	Merge pull request #991 from alan-turing-institute/all-contributors/a...	5 days ago
📄 .gitignore	ignore pptx in workshop folder	9 months ago
📄 .travis.yml	add html-proof file again	last month
📄 <u>CODE_OF_CONDUCT.md</u>	her -> their	6 months ago
📄 <u>CONTRIBUTING.md</u>	Update CONTRIBUTING.md	2 months ago
📄 GOVERNANCE.md	Read through months later	5 months ago
📄 LICENSE.md	Fix typo in licence	2 months ago
📄 <u>README.md</u>	Merge pull request #991 from alan-turing-institute/all-contributors/a...	5 days ago
📄 book_skeleton.md	Update book_skeleton.md	13 months ago
📄 <u>contributors.md</u>	Add myself to contributors.md	11 months ago

**GitHub:**  
<https://github.com/alan-turing-institute/the-turing-way>





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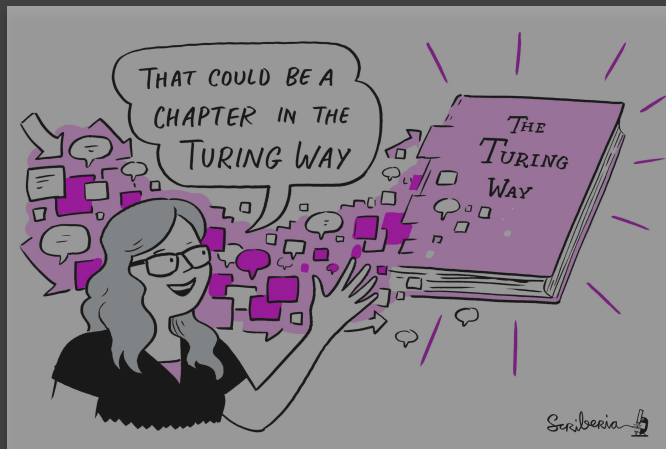
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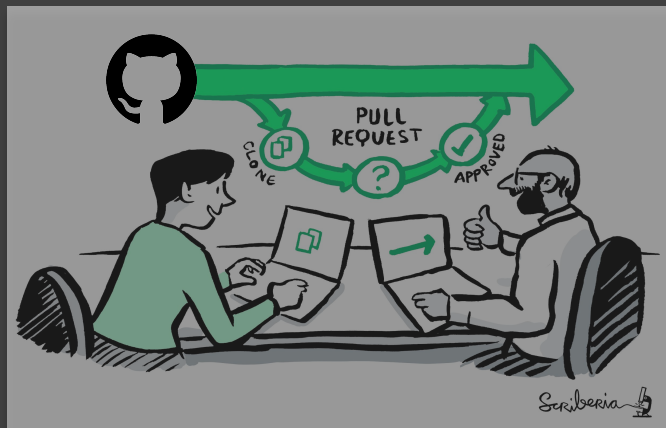
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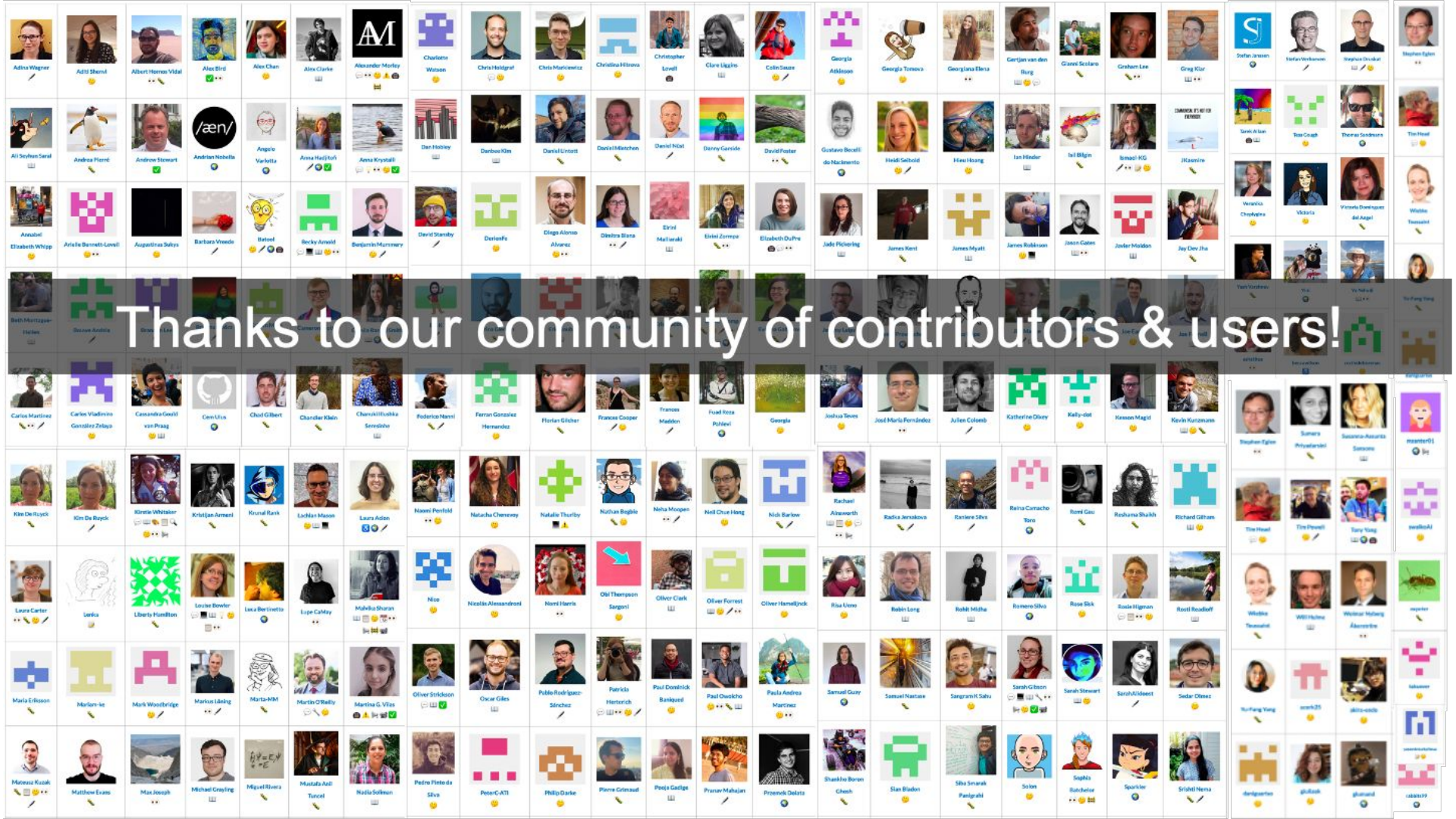


## An Open Source Project



## A Culture of Collaboration



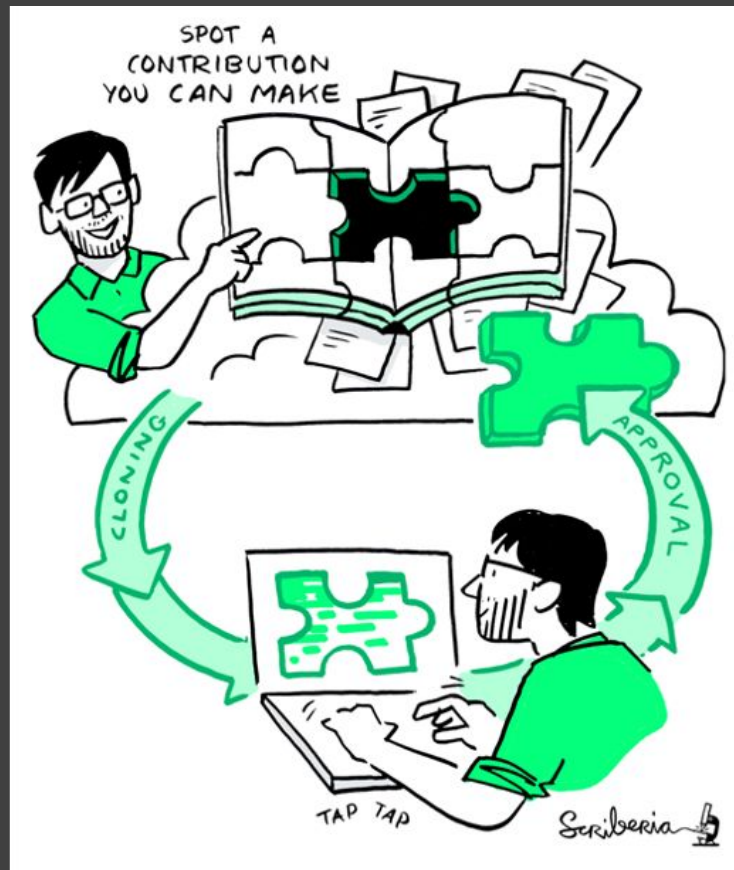


Thanks to our community of contributors & users!

# Meeting where you are!

- I. Connect with others
- II. Learn a new skill
- III. Share your skills
- IV. Discuss ideas & collaborate
- V. Mentor others' contributions
- VI. Represent this community

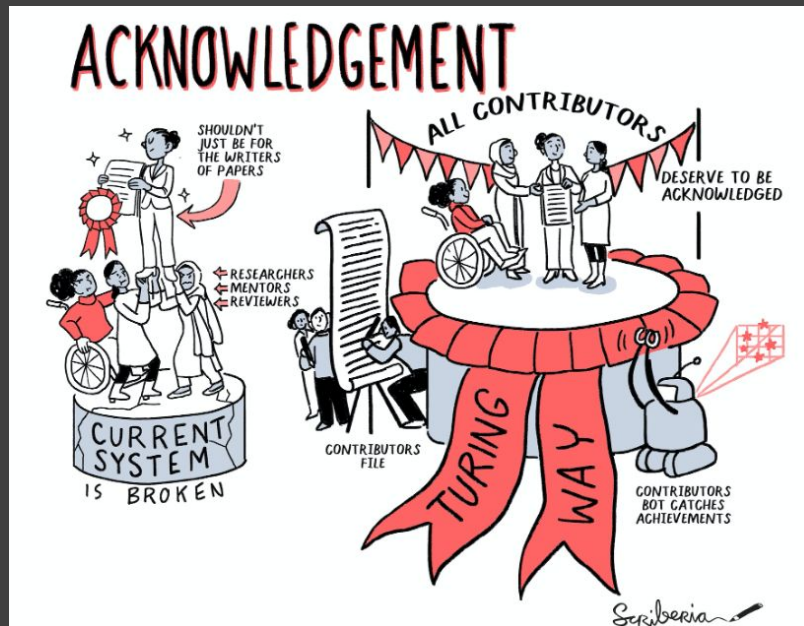
*We value your participation!*





# Acknowledging your work

- All-contributors bot to add your name to the **README.md**
- Adding your personal highlights and impact story in **contributors.md**
- Published on the afterword of online **Contributors Record**



<https://the-turing-way.netlify.app/afterword/contributors-record.html>

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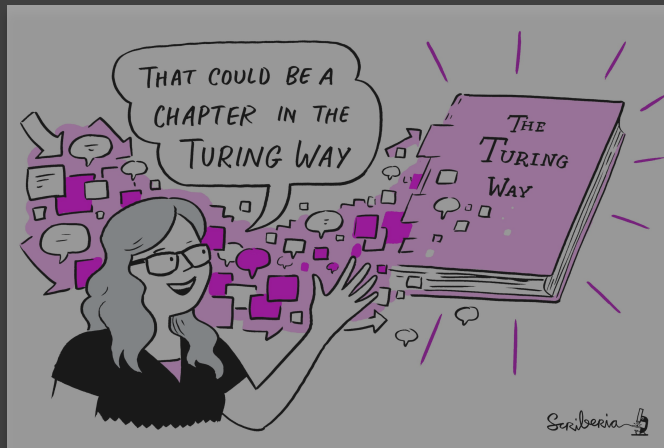
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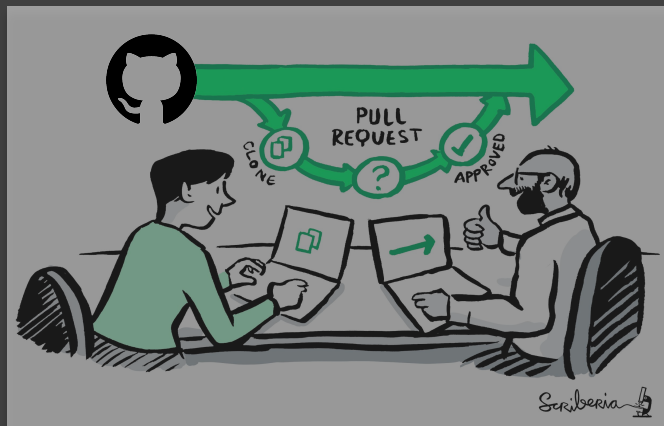
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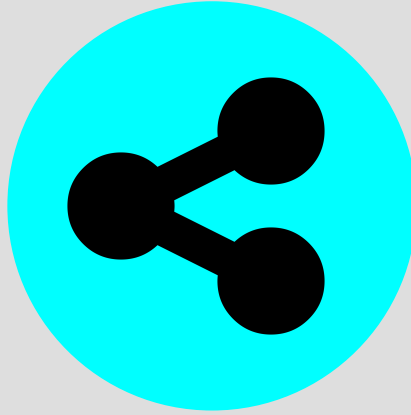


# Open Leadership Principles



## Understanding

You make the work accessible and clear



## Sharing

You make the work easy to adapt, reproduce, and spread



## Participation & Inclusion

Build shared ownership and agency to make the work inviting & sustainable for all.

**moz://a**

**Read more:** <https://mozilla.github.io/olm-whitepaper>

# Every contribution counts

## The Turing Way fosters a culture of collaboration



### Open Leadership principles



# Pathways for Collaboration



*Develop & share*



*Maintain & improve*



*Share resources*



*Review and update*



*Make it global*



*Share best practices*

# *The Turing Way* Book Dash



# Virtual Book Dash

- International, across multiple time zones
- Various opportunities for collaboration
- Open share-out events

[github.com/alan-turing-institute/the-turing-way/workshops/book-dash/book-dash-nov20-report.md](https://github.com/alan-turing-institute/the-turing-way/workshops/book-dash/book-dash-nov20-report.md)



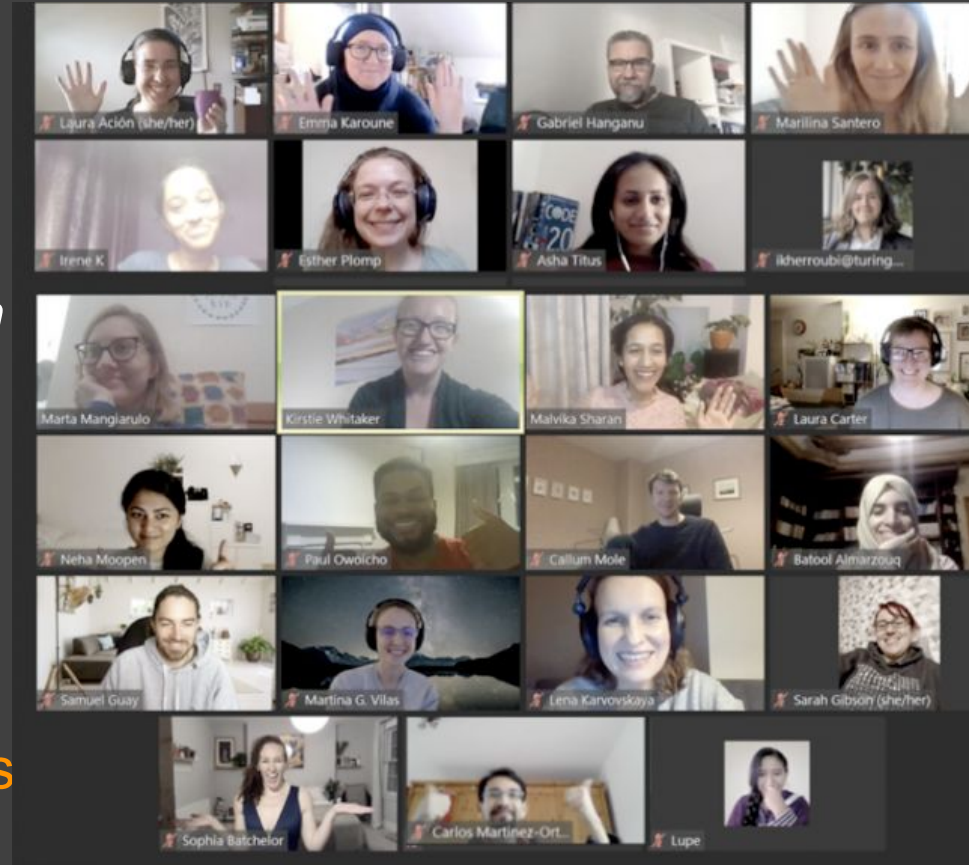


## A note on the name

*A book sprint is a method of creating a book collaboratively in an intense five days work*

*The Turing Way book dash is a shorter version of book sprint*

- short sessions for 4 days
- future community interactions



# Previous Book Dash Events

- People from many different backgrounds and skills
- Make data science meaningful for the wider community

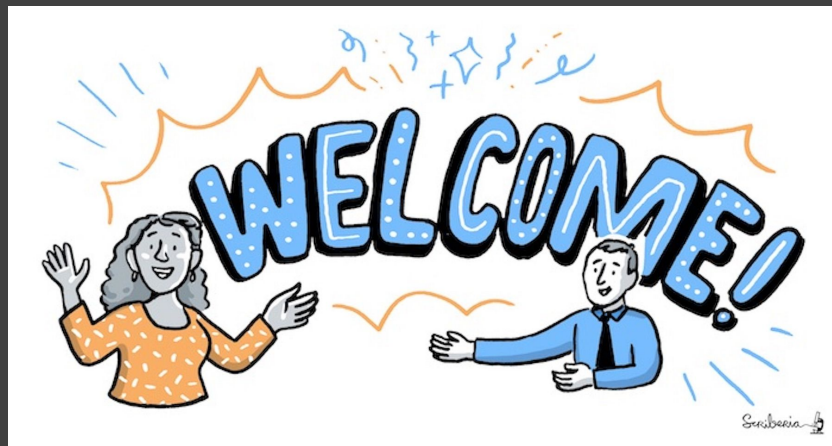


<https://the-turing-way.netlify.app/community-handbook/bookdash.html>

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# Book Dash May 2021 Edition

*This is the fifth book dash event.*



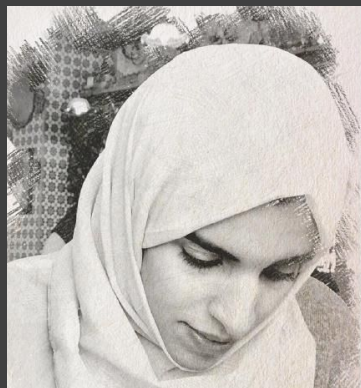
A platform for participants from **diverse backgrounds** to contribute new contents and **add their perspectives** to make Data Science accessible and **comprehensive for a wider community**.



# Book Dash Planning Committee



Arielle Bennett



Batool Almarzouq



Brigitta Sipőcz



Carlos Martinez



Emma karoune



Esther Plomp



Laura Carter



Pablo Rodríguez  
Sánchez

We all experience  
blocker or feel lost  
when working on a  
new project!

We're happy to help!

# MENTORED CONTRIBUTIONS



Scriberia 



# Our Code of Conduct

The Turing Way team are dedicated to providing a welcoming and supportive environment for all people

*we do not tolerate behaviour that is disrespectful to our members, or that excludes, intimidates, causes discomfort to others.*



[https://github.com/alan-turing-institute/the-turing-way/blob/master/CODE\\_OF\\_CONDUCT.md](https://github.com/alan-turing-institute/the-turing-way/blob/master/CODE_OF_CONDUCT.md)

# Our Code of Conduct

- Be respectful of different viewpoints and experiences.
- Use welcoming and inclusive language.
- Do not harass people.
- Respect the privacy and safety of others.
- Be considerate of others' participation.
- Don't be a bystander.
- Malvika, Kirstie, or the session chairs are here to support you.

# After the Book Dash

- Contributor Celebration: 21 May
  - 10:00 & 16:00 UTC
- Collaboration Cafes
  - 1st & 3rd Wednesdays (14:00 UTC)
- Community coworking
  - Mondays (10:00 UTC)
- Onboarding & Catch-up
  - Fridays (17:00 UTC)



# Contributing to *The Turing Way*



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## Examples of book dash contributions include

- science **communication** and **technical writing** skills
- **case studies** of reproducible research
- **editing and reviewing** of specific contents
- technical **tools and methods** in data science
- reusable resources for **AI and ethics**
- illustrations, sketch notes, and infographics
- enhancing online aspects to **improve accessibility**
- **data visualisation** skills and best practices
- make content more **engaging**



---

# Sign up & Breakout (10 mins)

- Explore and discuss about **what you'd like to see** in this book, or how you can contribute.
- You can use your **SMART goals** to guide your discussions

# The Turing Way Community Handbook

## Community Handbook

Code of Conduct

Ways to Enter the Project

Style Guide

Maintaining Consistency

Chapter Templates and  
Contribution Workflow

Acknowledging Contributors

Monthly Newsletters

Book Dash Events

Community Coworking Calls

Template Collection

**NO ISSUES  
NO USERS**



**ERRORS  
CAN PROVIDE  
VALUABLE  
OPPORTUNITIES  
TO PARTICIPATE**

*Scriberia*

# Contributing to the Turing Way

---

 Welcome to the Turing Way repository! 

 *We're so excited you're here and want to contribute.* 

**We want to ensure that every user and contributor feels welcome and included to the Turing Way community.**

We hope that this guideline document will make it as easy as possible for you to get involved.

We welcome all contributions to this project via GitHub issues and pull requests. Please follow these guidelines to make sure your contributions can be easily integrated in the projects. As you start contributing to the Turing Way, don't forget that your ideas are more important than perfect pull requests. ❤️

If you have any questions that aren't discussed below, please let us know through one of the many ways to [get in touch](#).

## Table of contents

---

Been here before? Already know what you're looking for in this guide? Jump to the following sections:

- [Joining the community](#)

## Joining the community

---

The Turing Way is a community-oriented and -led project. We therefore require that all our members and their contributions **adhere to our [Code of Conduct](#)**. Please familiarize yourself with the [Code of Conduct](#) that lists the expected behaviours and our reporting guidelines.

## Inclusivity

---

*The Turing Way* aims to be inclusive to people from all walks of life and to all research fields. These intentions must be reflected in the contributions that we make to the project.

In addition to the Code of Conduct, we encourage intentional inclusive actions from contributors to *The Turing Way*. Here are a few examples of such actions:

- Refer to "open research" rather than only "open science" so that we do not exclude members of the humanities and social sciences from our community.
- Make sure colour palettes are accessible to colour-blind readers and contributors. Here's a useful blog post on [tips for designing scientific figures for color blind readers](#) by Luk at [Somersault 1824](#).

## Get in touch

---

There are many ways to get in touch with the Turing Way team!

## Contributing through GitHub

---

[Git](#) is a really useful tool for version control. [GitHub](#) sits on top of Git and supports collaborative and distributed working.

We know that it can be daunting to start using Git and GitHub if you haven't worked with them in the past, but *The Turing Way* maintainers are here to help you figure out any of the jargon or confusing instructions you encounter! ❤️

In order to contribute via GitHub, you'll need to set up a free account and sign in. Here are some [instructions](#) to help you get going. Remember that you can ask us any questions you need to along the way.

## Writing in Markdown

---

GitHub has a helpful page on [getting started with writing and formatting on GitHub](#).

Most of the writing that you'll do will be in [Markdown](#). You can think of Markdown as a few little symbols around your text that will allow GitHub to render the text with a little bit of formatting. For example, you could write words as **bold** ( `**bold**` ), or in *italics* ( `_italics_` ), or as a [link](#) ( `[link](https://youtu.be/dQw4w9WgXcQ)` ) to another webpage.

## Style Guide

---

In *The Turing Way*'s [Community Handbook](#), we have developed a style guide for the project.

[The Turing Way style guide](#) will provide guidance and supporting resources for ensuring consistency, readability and accessibility for all our users.

You are welcome to contribute to the style guide by opening [a new issue](#).



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Chapters, themselves, contain *sub-chapters* that delve deeper into the chapter's topic, a *Checklist* section that itemises action points for readers to take based on the key concepts from the chapter, and a *Resources* section that points readers to other resources where they can investigate the chapter's topic further. In addition, a chapter may contain a *Personal Stories* sub-chapter that studies how an individual practices the chapter's topic in their work.

## Get in touch

There are many ways to get in touch with the Turing Way team!

- Ping us in our [gitter channel](#).
  - This is our preferred method of open communication and discussion! We'd love for you to swing by to say hello.
- Join the discussion in our [issues](#) and [pull requests](#).
  - Can't find your idea being discussed anywhere? Open a new issue! (See our [Where to start: issues](#) section below.)
- Subscribe to our [mailing list](#) with which we send monthly project updates.
- Follow [@turingway](#) on Twitter.
- You can contact the Project Lead of *The Turing Way* project - Kirstie Whitaker - by email at [kwhitaker@turing.ac.uk](mailto:kwhitaker@turing.ac.uk).
- You can contact the Community Manager of *The Turing Way* project - Malvika Sharan - by email at [masharan@turing.ac.uk](mailto:masharan@turing.ac.uk).
- You can also contact other members of the Turing Way through their preferred ways of communication [here](#).

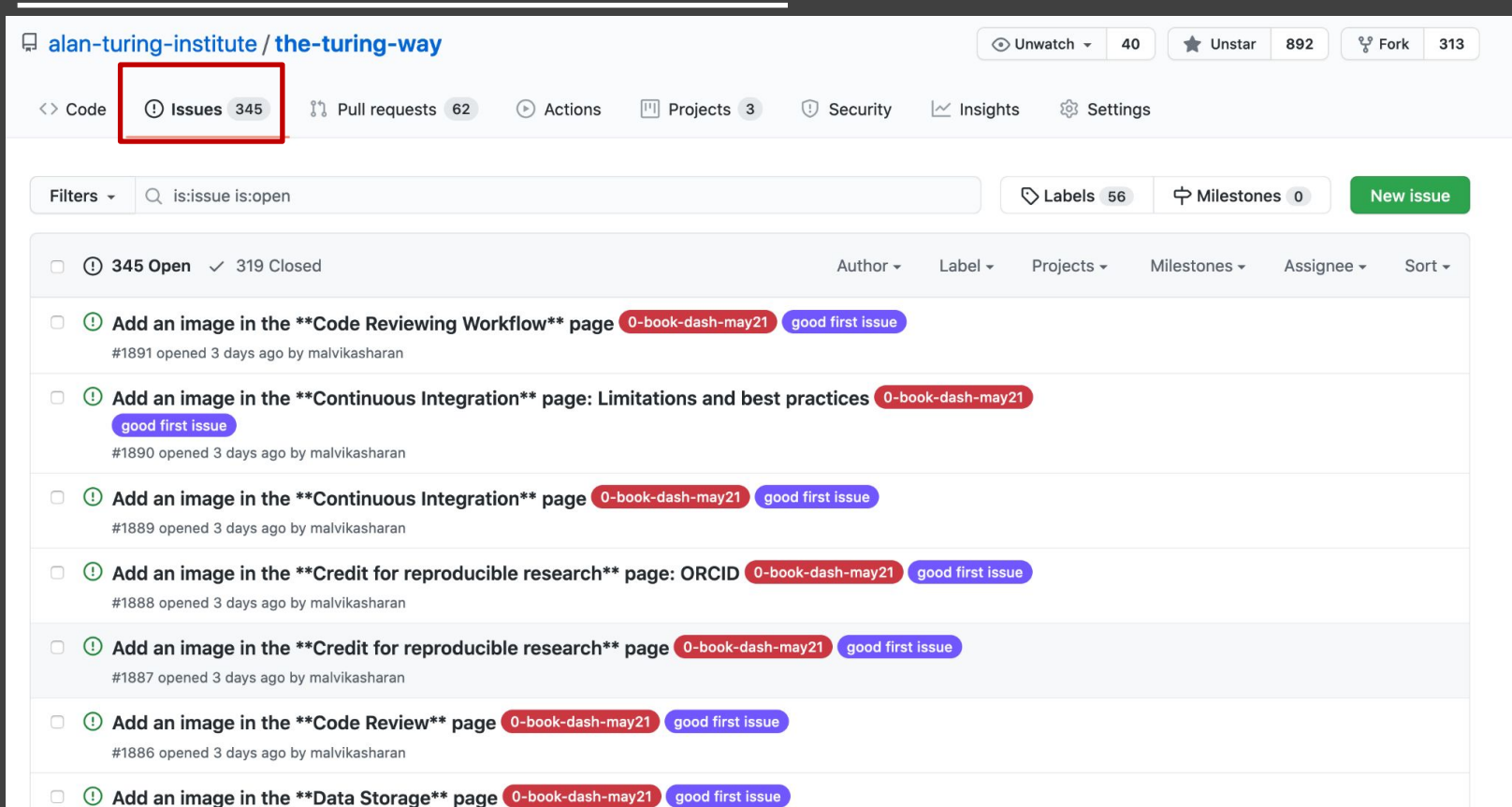
# 1. Comment on an existing issue or open a new issue referencing your addition

---

This allows other members of the Turing Way team to confirm that you aren't overlapping with work that's currently underway and that everyone is on the same page with the goal of the work you're going to carry out.

If you open a new issue, please follow the basic guidelines laid out in our issue template. The issue template will automatically be rendered in the comment section of the new issue page so all you need to do is edit the "*Lorem ipsum*" sections.

# 1. Comment on an existing issue or open a new issue referencing your addition



The screenshot shows the GitHub repository page for `alan-turing-institute / the-turing-way`. The **Issues** tab is selected and highlighted with a red box. The repository has 40 watchers, 892 stars, and 313 forks. The Issues section shows 345 open issues and 319 closed issues. The search bar contains the text `is:issue is:open`. The list of issues includes:

- ☐ **345 Open** ✓ 319 Closed
- ☐ **Add an image in the **\*\*Code Reviewing Workflow\*\*** page** **0-book-dash-may21** **good first issue**  
#1891 opened 3 days ago by malvikasharan
- ☐ **Add an image in the **\*\*Continuous Integration\*\*** page: Limitations and best practices** **0-book-dash-may21** **good first issue**  
#1890 opened 3 days ago by malvikasharan
- ☐ **Add an image in the **\*\*Continuous Integration\*\*** page** **0-book-dash-may21** **good first issue**  
#1889 opened 3 days ago by malvikasharan
- ☐ **Add an image in the **\*\*Credit for reproducible research\*\*** page: ORCID** **0-book-dash-may21** **good first issue**  
#1888 opened 3 days ago by malvikasharan
- ☐ **Add an image in the **\*\*Credit for reproducible research\*\*** page** **0-book-dash-may21** **good first issue**  
#1887 opened 3 days ago by malvikasharan
- ☐ **Add an image in the **\*\*Code Review\*\*** page** **0-book-dash-may21** **good first issue**  
#1886 opened 3 days ago by malvikasharan
- ☐ **Add an image in the **\*\*Data Storage\*\*** page** **0-book-dash-may21** **good first issue**



# 1. Comment on an existing issue or open a new issue referencing your addition



## **New Chapter Template**

Template for proposing a new chapter

[Get started](#)

## **Editor's Issue Template**

Template to propose editing a chapter

[Get started](#)

## **General**

Have a different idea?

[Get started](#)

## **Bug report**

Create a report to help us repair something that is currently broken

[Get started](#)

## **Collaboration Cafe**

Sign up for mentored sprints and co-working sessions with Turing Way community members

[Open](#)

## **All other questions and general chat**


Chat with the Turing Way community on Gitter

[Open](#)

# 1. Comment on an existing issue or open a new issue referencing your addition

## Issue: General

General issue. If this doesn't look right, [choose a different type](#).





Related Issues Beta [Try it.](#)

Write

Preview


**A A** **B** *i* “ ” < > ↺ ⋮ ≡ ☑ @ 📌 ↶

<!--  
Please complete the following sections when you open an issue.  
You are encouraged to keep this top level comment box updated as  
you develop and respond to reviews. If you have write access to the  
repository please also assign the appropriate label (or labels) to  
your issue. Note that text within html comment tags will not be  
rendered.  
-->  
### Summary  
Attach files by dragging & dropping, selecting or pasting them. 


 Styling with Markdown is supported

Submit new issue


Remember, contributions to this repository should follow its [contributing guidelines](#) and [code of conduct](#).

Assignees 


No one—assign yourself

Labels 

None yet

Projects 

None yet

Milestone 

No milestone

Linked pull requests

Successfully merging a pull request may close this issue.

None yet

Helpful resources

[Contributing](#)

[Code of conduct](#)

[GitHub Community Guidelines](#)

1. Add descriptive title.
2. Fill in the issue template by replacing the *Lorem ipsum* sections with what needs to be done or fixed.
3. Add assignees and labels where relevant (ignore projects and milestones).
4. Submit issue and off you go!

# 1. Comment on an existing issue or open a new issue referencing your addition

## Book Dash: 17-22 May 2021 Planning issue #1847

 Open malvikasharan opened this issue on 9 Apr · 0 comments



malvikasharan commented on 9 Apr · edited ▾

Member



### What needs to be done?

*Tasks are being coordinated by @malvikasharan, you are welcome to support her with your ideas and suggestions.*

- ✓ Finalise dates based on the location and organisers' availability: 17-21 May 2021
- ✓ Set up an online platform ([Zoom](#), or other accessible software) for remote collaboration - Malvika's Zoom
- ✓ Set up shared notes: main event, pre-dash drop in calls and feedback
- ✓ Set up a form for application by updating the previous version of the form
- ✓ Invite members in the planning committee
- ✓ Discuss with co-organisers if some resources (such as email drafts or templates) need to be updated
- ✓ Write a short description for online advertisement
- ✓ Clearly state the following information in the registration form and communicate by email with the selected participants:
  - what financial support will be available for either online or in-person events
  - What arrangements will be available online (such as online helpers and designated mentors) or on-site (such as quiet room and child care) for in-person events

# 1. Comment on an existing issue or open a new issue referencing your addition

## Book Dash: 17-22 May 2021 Planning issue #1847



Open

malvikasharan opened this issue on 9 Apr · 0 comments



malvikasharan commented on 9 Apr · edited ▾

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- ✓ Set up shared notes: main event, pre-dash drop in calls and feedback
- ✓ Set up a form for application by updating the previous version of the form



malvikasharan commented now

Update the Book Dash chapter and add report after the event.

# 1. Comment on an existing issue or open a new issue referencing your addition

## Book Dash: 17-22 May 2021 Planning issue #1847

 Open malvikasharan opened this issue on 9 Apr · 0 comments



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- ✓ Set up shared notes: main event, pre-dash drop in calls and feedback
- ✓ Set up a form for application by updating the previous version of the form



malvikasharan commented now

Update the Book Dash chapter and add report after the event.

### Assignees



KirstieJane

### Labels

0-book-dash-may21

Outreach

community

idea-for-discussion

### Labels

0-book-dash-may21

### Projects

None yet

### Milestone

No milestone

### Linked pull requests

Successfully merging a pull request may close this issue.



# 1. Comment on an existing issue or open a new issue referencing your addition

## Plan the BioHackathon - Book Dash in November 202



Open

malvikasharan opened this issue on 24 Sep · 2 comments



malvikasharan commented on 24 Sep • edited ▾

### What needs to be done?

Tasks are being coordinated by @malvikasharan, you are welcome to support her with your ideas and s

- ✓ Finalise dates based on the location and organisers' availability: 9-13 November 2020
- ✓ Book location for in-person events
- ✓ Set up an online platform ([Zoom](#), or other accessible software) for remote collaboration - Malvika's
- ✓ Set up shared notes: main event, predash drop in calls and feedback
- ✓ Set up a form for application by updating the previous version of the form
- ✓ Discuss with co-organisers if some resources (such as email drafts or templates) need to be update
- ✓ Write a short description for online advertisement
- ✓ Clearly state the following information in the registration form and communicate by email with the s
  - what financial support will be available for either online or in-person events

Assignees



KirstieJane



Labels



Apply labels to this issue

Filter labels

- ✓ 0-book-dash-may21 This Label is for Book Dash May 2021 relate...
- ✓ community issues releated to building a healthy commu...
- ✓ idea-for-discussion This can be used for inviting discussion fro...
- ✓ Outreach Topics to reach out to the community

## 2. Fork the Turing Way repository to your profile

alan-turing-institute / the-turing-way

Unwatch 39 Star 674 Fork 241

<> Code Issues 280 Pull requests 65 Actions Projects 3 Wiki Security Insights Settings

master 101 branches 4 tags Go to file Add file Code

**Recent Merge Pull Requests:**

Repository	Action	Commit Hash	Time Ago
paulowoicho	Merge pull request #1478 from C-Lion/master	b206ad8	8 days ago
alan-turing-institute/refine-tests	Merge pull request #985		5 months ago
alan-turing-institute/master	Merge branch 'master' into master		22 days ago
C-Lion/master	Merge pull request #1478		8 days ago
alan-turing-institute/gsod-paul2020	Merge pull request #1453		12 days ago

**About**

Host repository for The Turing Way: a how to guide for reproducible data science

[the-turing-way.netlify.app](https://the-turing-way.netlify.app)

hut23 hut23-270 hut23-396 hacktoberfest

This is now your own unique copy of the Turing Way.  
Changes here won't affect anyone else's

### 3. Make the changes you've discussed

---

Try to keep the changes focused. If you submit a large amount of work all in one go it will be much more work for whomever is reviewing your pull request.

While making your changes, commit often and write good, detailed commit messages.

If you feel tempted to "branch out" then please make a new branch and a new issue to go with it – for example, if writing a new chapter, create a new branch in the Turing Way repository to pull to, named with the chapter title.

## 4. Submit a pull request

- We encourage you to open a pull request as early in your contributing process as possible.

- This allows everyone to see what is currently being worked on.

- It also provides you, the contributor, feedback in real time from both the community and the continuous integration as you make commits.

- You can also submit pull requests to other contributors' branches!

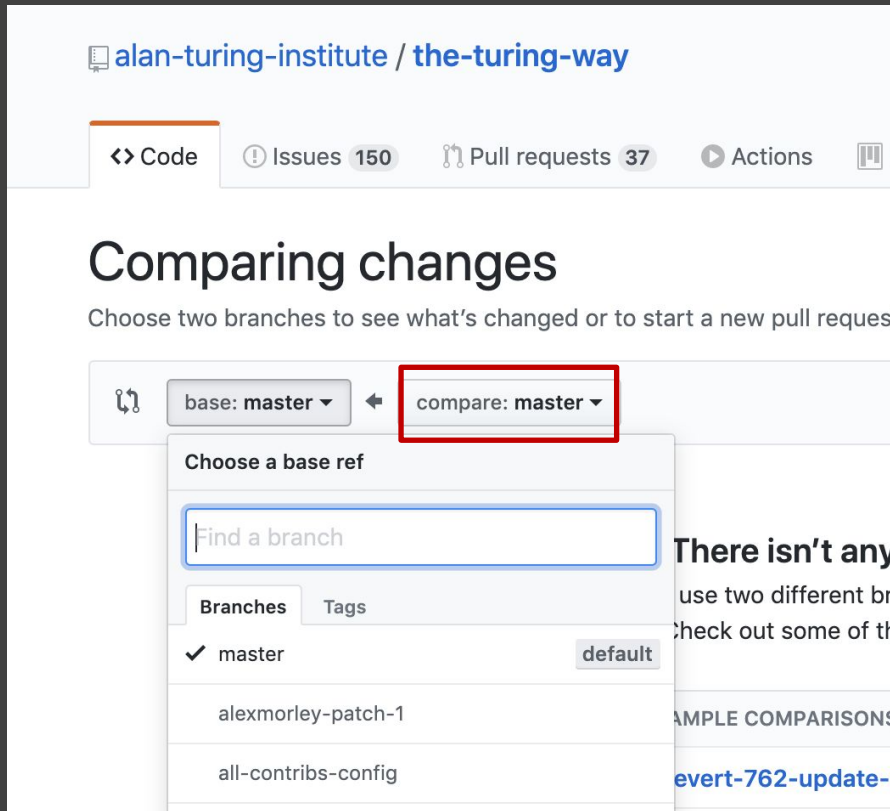
Label issues and pull requests for new contributors [Dismiss](#)

Now, GitHub will help potential first-time contributors [discover issues](#) labeled with [good first issue](#)

Filters  [Labels 28](#) [Milestones 0](#) [New pull request](#)

<input type="checkbox"/>	37 Open	✓ 479 Closed	Author	Label	Projects	Milestones	Reviews	Assignee	Sort
<input type="checkbox"/>	<a href="#">remove all but 1 contributor!</a> ✓								1
	#845 opened 40 minutes ago by KirstieJane • Review required								
<input type="checkbox"/>	<a href="#">[WIP] Upgrade jupyterbook</a> ✗						1		1
	#844 opened 1 hour ago by KirstieJane • Review required 0 of 4								
<input type="checkbox"/>	<a href="#">[WIP] New chapter: Research compendia</a> ✓						1		1
	#840 opened 5 hours ago by HeidiSeibold • Review required 1 of 4								
<input type="checkbox"/>	<a href="#">[Work in Progress] Update BinderHub workshop 2</a> ✓								3
	#839 opened 6 hours ago by sgibson91 • Review required 3 of 3								
<input type="checkbox"/>	<a href="#">[Ready for review] Improve open data chapter, links to rdm (see #835)</a> ✓						1		1
	#837 opened 9 hours ago by HeidiSeibold • Review required 1 of 4								
<input type="checkbox"/>	<a href="#">[Please Review] Turing joins the Binder Federation post - Jupyter blog version</a> ✓								22
	<a href="#">binderhub</a> <a href="#">comms</a> <a href="#">review request</a> #820 opened 12 days ago by sgibson91 • Review required 0 of 4								

## 4. Submit a pull request






- We encourage you to open a pull request as early in your contributing process as possible.
- This allows everyone to see what is currently being worked on.
- It also provides you, the contributor, feedback in real time from both the community and the continuous integration as you make commits.
- You can also submit pull requests to other contributors' branches!






# 4. Submit a pull request


## Comparing changes









Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).


 base: master  compare: malvikasharan-about-book-...  **Able to merge.** These branches can be automatically merged.

 **[WIP] Book Dash information, detail, process etc. #848**  
12 tasks (0 completed, 12 remaining) 

 2 commits  1 file changed  0 commit comments  1 contributor

 Commits on Feb 19, 2020

-   **malvikasharan** This is to create a test for the book dash Feb 2020   f9f4745
-   **malvikasharan** Added useful resources   301ad82

 Showing 1 **changed file** with 10 additions and 0 deletions.

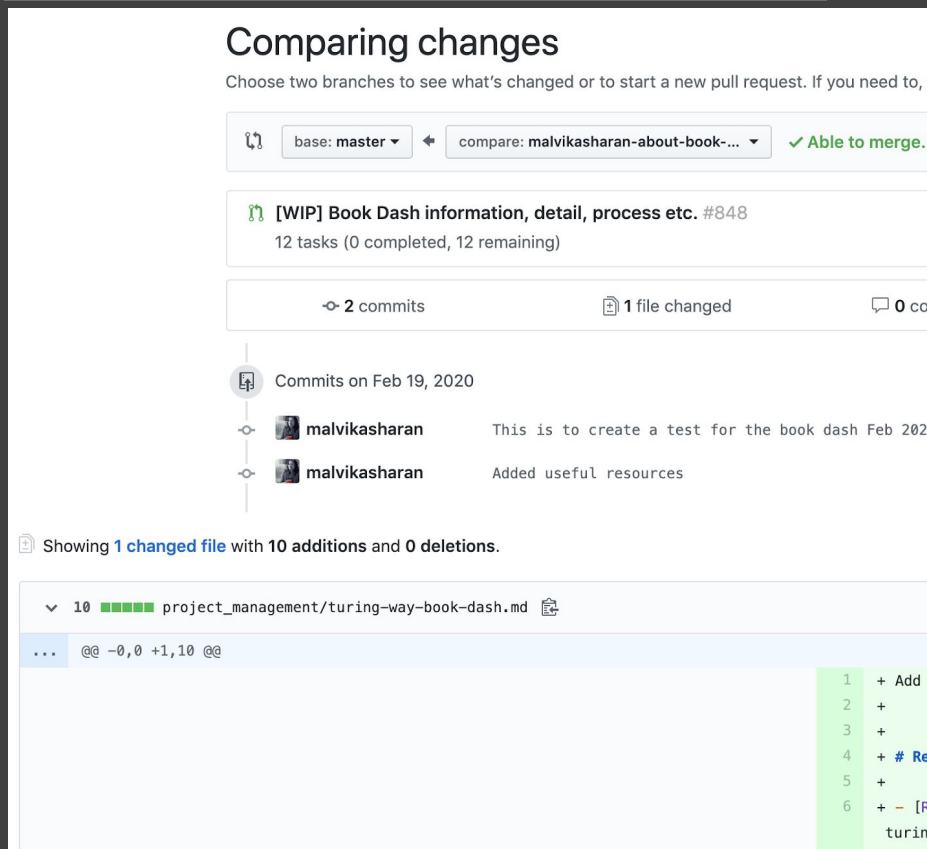
Unified Split

▼ 10  project\_management/turing-way-book-dash.md 

... @@ -0,0 +1,10 @@

```
1 + Add all about book dash here.
2 +
3 +
4 + # Resources to include
5 +
6 + - [Report from Manchester 2019] (https://github.com/alan-turing-institute/the-turing-way/blob/master/workshops/book-dash/book-dash-mcr-report.md)
```

## 4. Submit a pull request



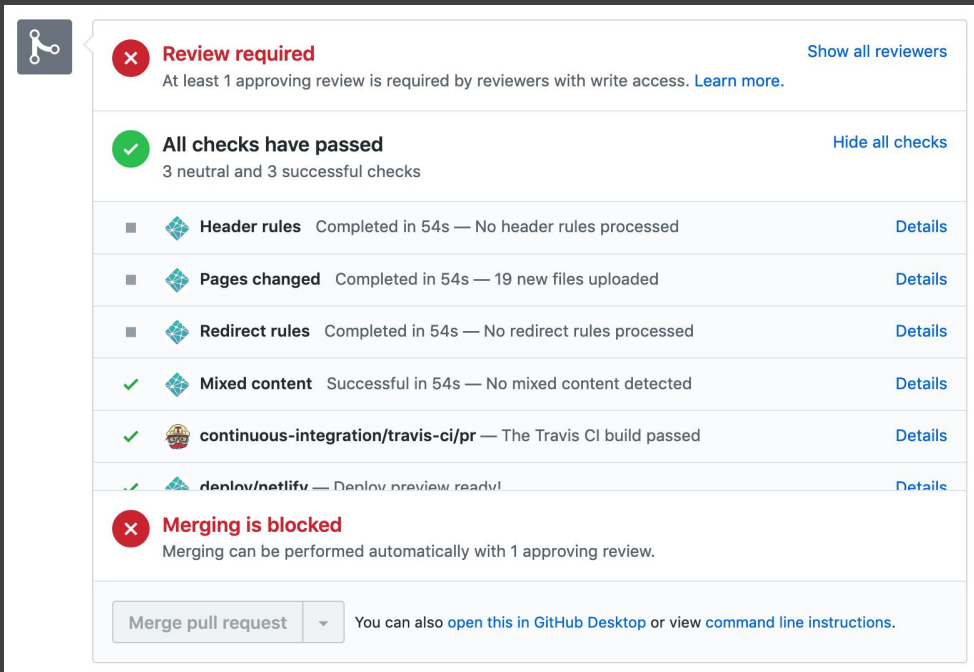
1. Select which branches you want to merge: the-turing-way branch ← your branch

1. Add descriptive title with [WIP] or [Ready for review] tag.

2. Fill in the pull request template, replacing the *Lorem ipsum* sections with what has been done & reference relevant issue.

3. Add the 0-book-dash-may21 label & create pull request!

## 4. Submit a pull request



The screenshot shows a GitHub pull request interface. At the top left is the GitHub logo. The main status bar has a red 'x' icon and the text 'Review required' in red, followed by 'At least 1 approving review is required by reviewers with write access. [Learn more.](#)' and a blue link 'Show all reviewers'. Below this is a green checkmark icon and the text 'All checks have passed' in green, followed by '3 neutral and 3 successful checks' and a blue link 'Hide all checks'. A list of checks follows: 'Header rules' (Completed in 54s — No header rules processed), 'Pages changed' (Completed in 54s — 19 new files uploaded), 'Redirect rules' (Completed in 54s — No redirect rules processed), 'Mixed content' (Successful in 54s — No mixed content detected), 'continuous-integration/travis-ci/pr' (The Travis CI build passed), and 'denjoy/netlify' (Deploy preview ready). Each check has a 'Details' link. At the bottom, there is a red 'x' icon and the text 'Merging is blocked' in red, followed by 'Merging can be performed automatically with 1 approving review.' Below this is a button 'Merge pull request' with a dropdown arrow, and the text 'You can also [open this in GitHub Desktop](#) or view [command line instructions](#).'

1. A member of the Turing Way community will then review your changes to confirm that they can be merged into the main repository.

1. You don't need to submit a new pull request when you make a change in response to a review.

1. You can update your fork of the main repository and the pull request will automatically update those changes with CI checks

## 4. Submit a pull request with a new chapter/subchapter

---

github.com/alan-turing-institute/the-turing-way/blob/master/book/website/\_toc.yml

ork T Transforming the...

```
11
12 - file: welcome
13
14 # ===== Reproducible Research Guide =====
15 - file: reproducible-research/reproducible-research
16   sections:
17   - title: Overview
18     file: reproducible-research/overview
19     sections:
20     - title: Definitions
21       file: reproducible-research/overview/overview-definitions
22     - title: Added advantages
23       file: reproducible-research/overview/overview-benefit
24   - title: Resources
25     file: reproducible-research/overview/overview-resources
26 - title: Open Research
27   file: reproducible-research/open
28   sections:
```

1. Create a new chapter in the `book/website/[guide-name]/[chapter-name.md]`

2. Create a subchapter in the `book/website/[guide-name]/[chapter-name/subchapter.md]`

3. Edit `book/website/_toc.yml` to add chapter to the online book

4. Create a PR  $\leftarrow \rightarrow$  ask for review

# [Review needed] Reformat outreach chapter, add images, update toc and open for review #1709

[Edit](#)[Open with](#)

 Open malvikasharan wants to merge 12 commits into `master` from `outreach-chapter` 

 Conversation 7

 Commits 12

 Checks 4

 Files changed 26

+1,088 -125 



malvikasharan commented on 5 Jan • edited ▾

Member  

## Summary

Fixes [#561](#)

- Outreach chapter from May 2019 needed review and its repo was outdated that needed clean branch

## List of changes proposed in this PR (pull-request)

- ☒ Update TOC file
- ☒ Add references
- ☒ Add images
- ☒ Format files to fit the style guide

## What should a reviewer concentrate their feedback on?

- Everything looks ok in the following subchapters
- Review the draft and factcheck
  - ☒ title: Motivation and Background - file: communication/outreach/outreach-motivation
  - ☒ title: Communicating Research Outcome - file: communication/outreach/outreach-research-outcome

## Reviewers

 crangelsmith 

At least 1 approving review is required to merge this pull request.

Still in progress? Convert to draft

## Assignees

No one—assign yourself

## Labels

[0-book-dash-may21](#) [PR: unreviewed](#)  
[book-dash-ldn2019](#) [communication-book](#)

## Projects

None yet

## Milestone

No milestone



# [Review needed] Reformat outreach chapter, add images, update toc and open for review #1709

[Edit](#)[Open with ▾](#)

 Open malvikasharan wants to merge 12 commits into `master` from `outreach-chapter` 

 Conversation 7

 Commits 12

 Checks 4

 Files changed 26

+1,088 -125 



malvikasharan commented on 5 Jan • edited ▾

Member  ⋮

## Summary

Fixes #561

- Outreach chapter from May 2019 needed review and its repo was outdated that needed clean branch

## List of changes proposed in this PR (pull-request)

☒ Update TOC file

## Reviewers



 crangelsmith

At least 1 approving review is required to merge this pull request.

Still in progress? Convert to draft

## Assignees



No one—assign yourself



netlify bot commented on 5 Jan • edited ▾

Deploy preview for *the-turing-way* ready!

Built with commit `d6e6d9b`

<https://deploy-preview-1709--the-turing-way.netlify.app>

`k-dash-may21`

PR: unreviewed

`lash-ldn2019`

`communication-book`

# [Review needed] Reformat outreach chapter, add images, update toc and open for review #1709

[Edit](#)[Open with](#)

[Open](#) malvikasharan wants to merge 12 commits into `master` from `outreach-chapter`

Conversation 7

Commits 12

Files



malvikasharan commented on 5 Jan • edited

## Summary

Fixes #561

- Outreach chapter from May 2019 needed

## List of changes proposed in this PR

- ☒ Update TOC file



netlify bot comment

Deploy preview for

Built with commit

[https://deploy-prev](https://deploy-preview-1709--outreach-chapter.netlify.com)

## Guide for Communication

### Outreach in Data Science and Research

Motivation and Background

Communicating Research Outcome

Designing Presentations

Communicating Effectively

Integrating Outreach In Research Projects

Developing Science-Communication Relationships

Checklist

Community Communications for Open Source Projects

Guide for Collaboration

Guide for Ethical Research

Community Handbook

Afterword

Visit our [GitHub Repository](#)

## Outreach in Data Science and Research

Outreach is an umbrella term for a broad range of activities that engage researchers with audiences external to the core research team, including other scientists, the general public, journalists, investors and policymakers. Outreach can provide major benefits to both researchers and society, from enhancing the visibility of your work to developing public understanding of science. However, as with all research activities, outreach requires careful planning and resourcing, so that researchers can share a collective responsibility to combat the spread of misinformation and provide the public with an accurate representation of science. While outreach activities are diverse in scope, we believe that all high quality outreach is underpinned by a set of shared underlying principles.



## 4. Submit a pull request

---

- Proofread existing chapters (check for typos, grammar, links, etc.)
- Add further information to an existing chapter
- Suggest topics for new chapters (particularly if you can write them!)
- Review [Ready to review] pull requests
- Contribute to discussion [WIP] pull requests and issues
- Submit a case study or your tips and tricks for reproducible research via our Google submission form (link in README).
- Checklists
- Restructuring the chapter sections (like the reproducibility chapter)
- Let us know if you are struggling with contributing in any way so that we can improve our Contributing Guidelines!

Start by fixing bugs.

No contribution is  
too small!



---

# We are here to help you!

Collaborative Notes:

[hackmd.io/@turingway/bookdash-may2021](https://hackmd.io/@turingway/bookdash-may2021)

Slack channels: [bookdash-may2021](#)





## Update the HackMD: [hackmd.io/@turingway/bookdash-may2021](https://hackmd.io/@turingway/bookdash-may2021)

---

- Add notes on your contributions, any questions you have or anything you learned!
- Link to your issues and pull requests.
- This will help us write up our Book Dash Report.

**Day 1, 17 May:** <https://hackmd.io/@turingway/bookdash-may2021-day1>

**Day 2, 18 May:** <https://hackmd.io/@turingway/bookdash-may2021-day2>

**Day 3, 19 May:** <https://hackmd.io/@turingway/bookdash-may2021-day3>

**Day 4, 20 May:** <https://hackmd.io/@turingway/bookdash-may2021-day4>

**Day 5, 21 May:** <https://hackmd.io/@turingway/bookdash-may2021-day5>

---

# Scriberia

Will be here to illustrate your ideas!

[https://hackmd.io/@turingway/  
bookdash-nov2020-scriberia](https://hackmd.io/@turingway/bookdash-nov2020-scriberia)



**WE HELP OUR CLIENTS TO THINK, WORK AND COMMUNICATE IN A VISUAL WORLD.**

## Acknowledgements:

- Kirstie Whitaker, Project Lead
- Malvika Sharan, Community Manager
- *The Turing Way* community, friends & collaborators

## Useful links:

- Shared HackMD: [hackmd.io/@turingway/JC2020-sprint](https://hackmd.io/@turingway/JC2020-sprint)
- Book: [the-turing-way.netlify.com](https://the-turing-way.netlify.com)
- Twitter: [twitter.com/turingway](https://twitter.com/turingway)
- Newsletter: [tinyletter.com/TuringWay](https://tinyletter.com/TuringWay)
- GitHub: [github.com/alan-turing-institute/the-turing-way](https://github.com/alan-turing-institute/the-turing-way)
- All artwork by Scriberia: <https://doi.org/10.5281/zenodo.3332808>

**The  
Alan Turing  
Institute**

