2020

jupyterCON

module 4:

Jupyter Book configuration

by Martina Vilas
@martinagvilas

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- you know the basic and essential components of a Jupyter Book

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- you have built your (very basic) first Jupyter Book (*module 3*)

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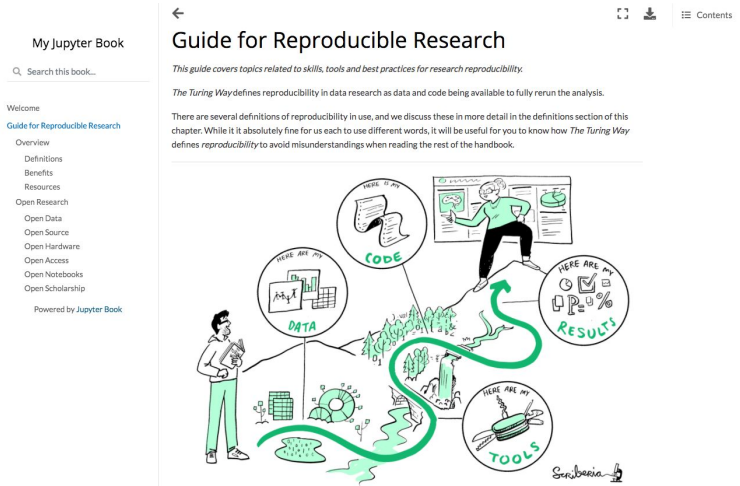

learning objectives of *module 4*

- explain what a `_config.yml` is and how we can use it to

  personalise the appearance of our Jupyter Book

learning objectives of *module 4*

- explain what a `_config.yml` is and how we can use it to personalise the appearance of our Jupyter Book
- give examples of parameters of a Jupyter Book that can be modified with a `_config.yml`

configuration file (_config.yml)

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```yaml
#######################################################################################
# Book settings
title: The Turing Way  # The title of the book
author: The Turing Way Community  # The author of the book to be placed in the footer
copyright: '2020'  # Copyright year to be placed in the footer
logo: ./figures/logo.png  # A path to the book logo

#######################################################################################
# HTML-specific settings
html:
  favicon: ./figures/favicon-32x32.png  # A path to a favicon image
  navbar_footer_text: Visit our <a href="https://github.com/alan-turing-institute/the-turing-way">GitHub
    Repository</a> <div> This book is powered by <a href="https://jupyterbook.org">Jupyter
    Book</a> </div> # Will be displayed underneath the left navigation bar.
  use_repository_button: true  # Whether to add a link to your repository button
  use_issues_button: true # Whether to add an "open an issue" button

#######################################################################################
# Launch button settings
repository:
  url: https://github.com/alan-turing-institute/the-turing-way  # The URL to your book's repository
  path_to_book: book/website  # A path to your book's folder, relative to the repository root
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The Turing Way

Search this book...

Welcome

Reproducibility Guide

By The Turing Way Community

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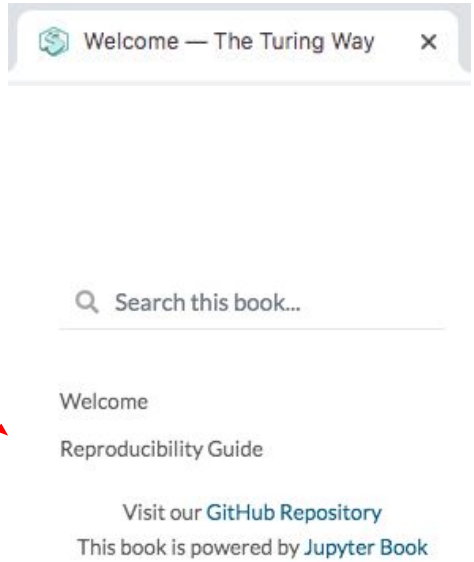

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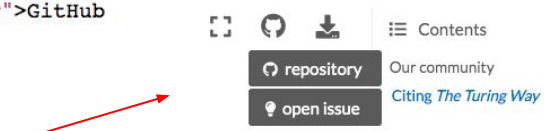
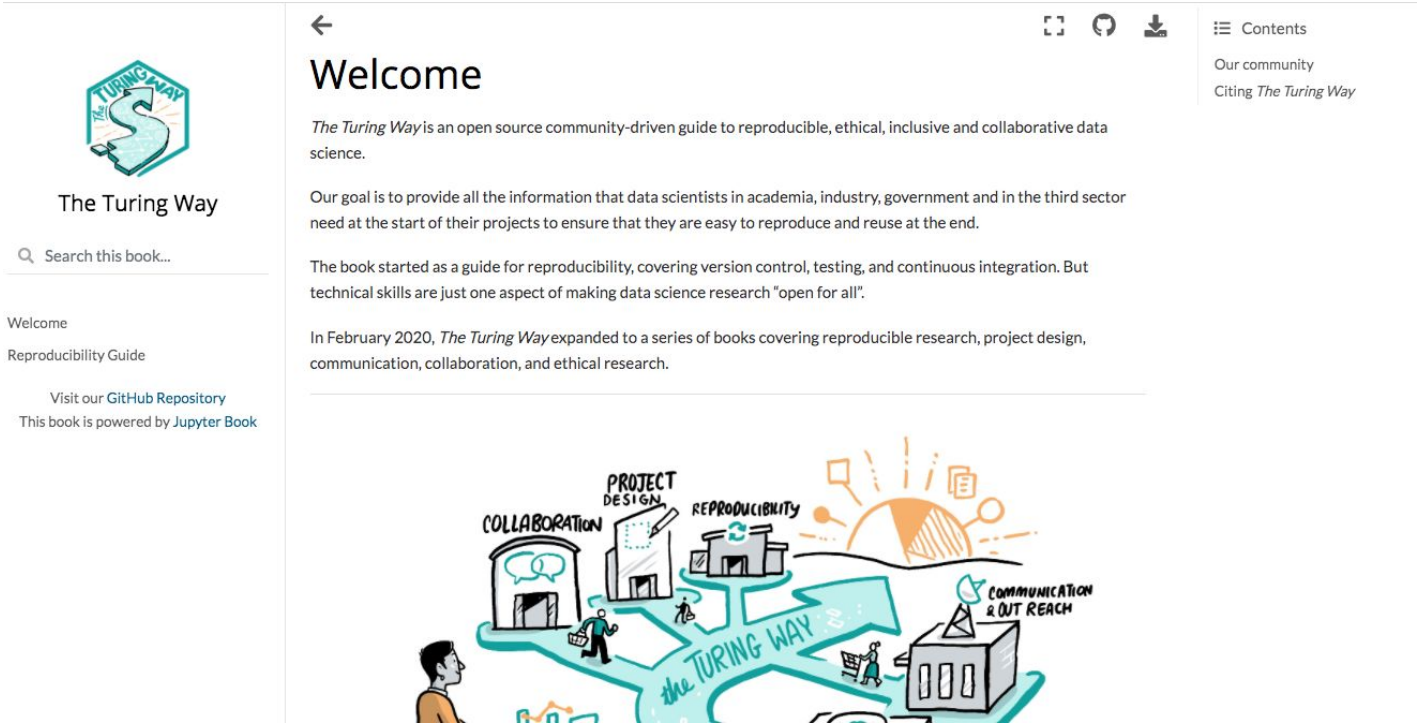


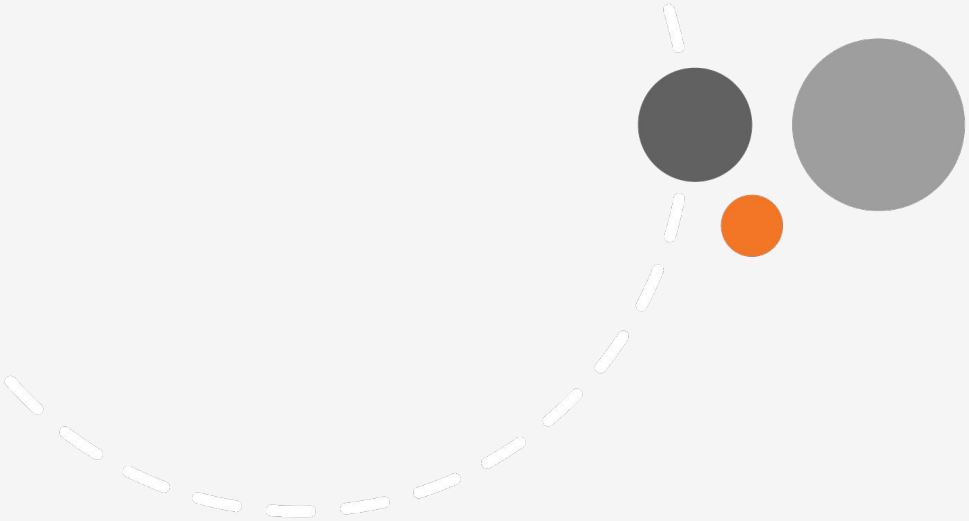
configuration file (_config.yml)

```yaml
#############################################################################
# A default configuration that will be loaded for all jupyter books
# Users are expected to override these values in their own `_config.yml` file.
# This is also the "master list" of all allowed keys and values.

#############################################################################
# Book settings
title                       : My Jupyter Book  # The title of the book. Will be placed in the left navbar.
author                      : The Jupyter Book community  # The author of the book
copyright                   : "2020"  # Copyright year to be placed in the footer
logo                        : ""  # A path to the book logo
# Patterns to skip when building the book. Can be glob-style (e.g. "*skip.ipynb")
exclude_patterns            : [_build, Thumbs.db, .DS_Store, "**.ipynb_checkpoints"]

#############################################################################
# Execution settings
execute:
  execute_notebooks         : auto  # Whether to execute notebooks at build time. Must be one of ("auto", "force", "cache",
"off")
  cache                     : ""    # A path to the jupyter cache that will be used to store execution artifacs. Defaults to
`_build/.jupyter_cache/`
  exclude_patterns          : []    # A list of patterns to *skip* in execution (e.g. a notebook that takes a really long time)
  timeout                   : 30    # The maximum time (in seconds) each notebook cell is allowed to run.
  run_in_temp               : false # If `True`, then a temporary directory will be created and used as the command working
directory (cwd),
                              # otherwise the notebook's parent directory will be the cwd.
  allow_errors              : false # If `False`, when a code cell raises an error the execution is stopped, otherwise all cells
are always run.
  stderr_output             : show  # One of 'show', 'remove', 'remove-warn', 'warn', 'error', 'severe'

#############################################################################
# Parse and render settings
parse:
  myst_extended_syntax      : false  # enable MyST extended syntax support (see documents for details)
  myst_url_schemes          : [mailto, http, https]  # URI schemes that will be recognised as external URLs in Markdown links

#############################################################################
# HTML-specific settings
html:
  favicon                   : ""  # A path to a favicon image
  use_edit_page_button      : false  # Whether to add an "edit this page" button to pages. If `true`, repository information in
repository: must be filled in
  use_repository_button     : false  # Whether to add a link to your repository button
  use_issues_button         : false  # Whether to add an "open an issue" button
  extra_navbar              : Powered by <a href="https://jupyterbook.org">Jupyter Book</a>  # Will be displayed underneath the
left navbar.
  extra_footer              : ""  # Will be displayed underneath the footer.
  google_analytics_id       : ""  # A GA id that can be used to track book views.
  home_page_in_navbar       : true  # Whether to include your home page in the left Navigation Bar
  baseurl                   : ""  # The base URL where your book will be hosted. Used for creating image previews and social
links. e.g.: https://mypage.com/mybook/
  comments:
    hypothesis              : false
    utterances              : false

#############################################################################
# LaTeX-specific settings
latex:
  latex_engine              : pdflatex  # one of 'pdflatex', 'xelatex' (recommended for unicode), 'luatex', 'platex', 'uplatex'

#############################################################################
# Launch button settings
launch_buttons:
  notebook_interface        : classic  # The interface interactive links will activate ["classic", "jupyterlab"]
  binderhub_url             : https://mybinder.org  # The URL of the BinderHub (e.g., https://mybinder.org)
  jupyterhub_url            : ""  # The URL of the JupyterHub (e.g., https://datahub.berkeley.edu)
  thebe                     : false  # Add a thebe button to pages (requires the repository to run on Binder)
  colab_url                 : https://colab.research.google.com # The URL of Google Colab (e.g.,
https://colab.research.google.com)

repository:
  url                       : https://github.com/executablebooks/jupyter-book  # The URL to your book's repository
  path_to_book              : ""  # A path to your book's folder, relative to the repository root.
  branch                    : master  # Which branch of the repository should be used when creating links

#############################################################################
# Advanced and power-user settings
sphinx:
  extra_extensions          :   # A list of extra extensions to load by Sphinx (added to those already used by JB).
  config                    :   # key-value pairs to directly over-ride the Sphinx configuration
```

https://jupyterbook.org/customize/config.html

your Jupyter Book …





see you in *module 5*!