

# Contributing to rme

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## 1 Contributing to rme

Contributions to these notes are very much appreciated; anything from one-character typo corrections to new chapters or rewrites. The GitHub repository for this project<sup>2</sup> provides a Pull Request system for submitting contributions. See <https://happygitwithr.com/pr-extend> for an explanation of the pull request system and the available R utility functions for working with pull requests.

### 1.1 Style guide

- Every abstract concept (definition or theorem) should have at least one concrete example immediately following it.
- More structure (headers, labels) is better.
- Make each conceptual chunk as compact as possible:
  - Decompose large, complicated, difficult concepts into smaller, simpler, and easier pieces.
  - Decompose long derivations into smaller lemmas.
  - When manipulating part of a larger expression, isolate that part in a lemma.
- Add slide breaks<sup>3</sup> between exercises/theorems and solutions/proofs

### 1.2 Fixing typos

This book is written using Quarto<sup>4</sup>. You can fix typos, spelling mistakes, or grammatical errors directly using the GitHub web interface by making changes in the corresponding *source* file. This generally means you'll need to edit a `.qmd` file.

### 1.3 Bigger changes

If you want to make a bigger change, it's a good idea to first file an issue and make sure someone from the development team agrees that it's needed.

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<sup>1</sup><https://usethis.r-lib.org/articles/pr-functions.html#whats-a-pull-request>

<sup>2</sup><https://github.com/d-morrison/rme>

<sup>3</sup><https://quarto.org/docs/presentations/revealjs/#creating-slides>

<sup>4</sup><https://quarto.org/docs/books/>

### 1.3.1 Pull request<sup>5</sup> process

- Fork the package and clone onto your computer. If you haven't done this before, we recommend using `usethis::create_from_github("d-morrison/rme", fork = TRUE)`.
- Install all development dependencies with `devtools::install_dev_deps()`. Make sure you can build the book by running `quarto render` in a Terminal.
- Create a Git branch for your pull request (PR). We recommend using `usethis::pr_init("brief-description-of-change")`. Details at <https://usethis.r-lib.org/articles/pr-functions.html>
- Make your changes, commit to git, and then create a PR by running `usethis::pr_push()`, and following the prompts in your browser. The title of your PR should briefly describe the change. The body of your PR should contain `Fixes #issue-number`.
- Add a bullet to the top of `NEWS.md` (i.e. just below the first header). Follow the style described in <https://style.tidyverse.org/news.html>.

### 1.3.2 Code style

- New code should follow the tidyverse style guide<sup>6</sup>. You can use the `styler`<sup>7</sup> package to apply these styles, but please don't restyle code that has nothing to do with your PR.

## 1.4 Code of Conduct

Please note that the `rme` project is released with a Contributor Code of Conduct<sup>8</sup>. By contributing to this project you agree to abide by its terms.

## 1.5 Additional references

For a detailed discussion on contributing to this and other projects, please see the Tidyverse development contributing guide<sup>9</sup> and the Tidyverse code review principles<sup>10</sup>. This project is not part of the tidyverse, but we have borrowed their development processes.

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<sup>5</sup><https://usethis.r-lib.org/articles/pr-functions.html#whats-a-pull-request>

<sup>6</sup><https://style.tidyverse.org>

<sup>7</sup><https://CRAN.R-project.org/package=styler>

<sup>8</sup>`CODE_OF_CONDUCT.md`

<sup>9</sup><https://rstd.io/tidy-contrib>

<sup>10</sup><https://code-review.tidyverse.org/>