DaSL Developer Guide

Scott Chamberlain

2023-10-17

Table of contents

Preface

This is a Quarto book.

Not sure what to put here. Seems like we have to have a preface for a quarto book?

We could move the intro content here and remove intro chapter?

1 Introduction

This book details all things having to do with code within DaSL. It includes both internal facing guidelines as well as for any contributions from folks other than DaSL staff.

- Getting help: Chapter 2
- Contributing guidelines: Chapter 3
- Style guidelines: Chapter 4
- Code review guidelines: Chapter 5
- Package documentation guidelines: Chapter 6

2 Help

Getting help ....

2.1 House Calls

xxxx

2.2 Slack

xxxx

3 Contributing

Contributing guidelines ....

3.1 Code of Conduct

xxxx

3.2 Communication Channels

- Slack

3.3 xxx

xxxx

4 Style

What is code style? It has to do with how you organize your code. The end goal of styling your code is that your code is more consistent. Styling code by definition has to be opinionated. You may not agree with every decision made in a style guide, but having style be done automatically for you gives you more time to think about the important decisions in your code.

If you always write code by yourself and you're the only one that will ever look at it, that's one thing. But that's rarely the case, especially if you consider that yourself 6 months or 5 years from now is a user that is keenly interested in readable, consistent code. Readable, consistent code will be especially appreciated by other users and contributors.

4.1 Package styler

The styler package allows you to interactively format your code according to the tidyverse style guide.

The lintr package does automated checks of your code according to the style guide.

4.2 IDE and Text editor support

RStudio supports styler via the Addins drop down; see the RStudio User Guide.

Support for `styler` in other editors is provided via the R languageserver:

- VSCode: vscode-R
- Atom: atom-ide-r
- Sublime Text: R-IDE
- Vim/NeoVim: LanguageClient-neovim

See the R languageserver GitHub repository for more information on using the R language-server.

5 Code review

Code review ....

5.1 DaSL interal guidelines

xxxx

5.2 Community guidelines

xxxx

6 Package documentation

Package documentation ....

We use the R package `pkgdown` to create documentation for DaSL R packages.

6.1 DaSL pkgdown template

References