

Beautiful R

Caio Lente + Curso-R

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Preface

If you came here of your own volition, you're probably an R programmer. Maybe you're still a novice, maybe you've already had your fair share of `cannot coerce type 'closure' to a vector of type 'double'` errors; either way, you're trying to grapple with this (at the time of writing) almost thirty years-old programming language.

It's tough, I know. Take a deep breath. I've got you covered.

Beautiful R is a book about what R does right: its goal is to both help you succeed at programming R, and showcase this quirky little language's full potential. Think of it as the antithesis to *The R Inferno*.

The book is divided into three sections in increasing order of complexity:

1. **Structure** explains how to create and use R projects effectively. Learn how to setup your environment, use IDEs responsibly, and never lose a file again.
2. **Patterns** is full of tips on programming R well. Transform your projects into packages, avoid silly mistakes by creating unit tests, and learn how to write good R code.
3. **Style** covers the last step in the ladder: making your code clean, easy to understand, and beautiful. Once you are able to consistently write good code, it's time to start writing *great* code.

Introduction

R is wabi-sabi.

Part I

Structure

Empty.

1 Environment

Empty.

2 Paths

Empty.

3 IDEs

Empty.

4 Git

Empty.

Part II

Patterns

Empty.

5 Packages

Empty.

6 Dependencies

Empty.

7 Data

Empty.

8 Testing

Empty.

9 Renv

Empty.

10 CI/CD

Empty.

Part III

Style

Empty.

11 Beauty

Empty.

12 Pipe

Empty.

13 Functions

Empty.

14 Linting

Empty.

15 Shiny

Empty.

References