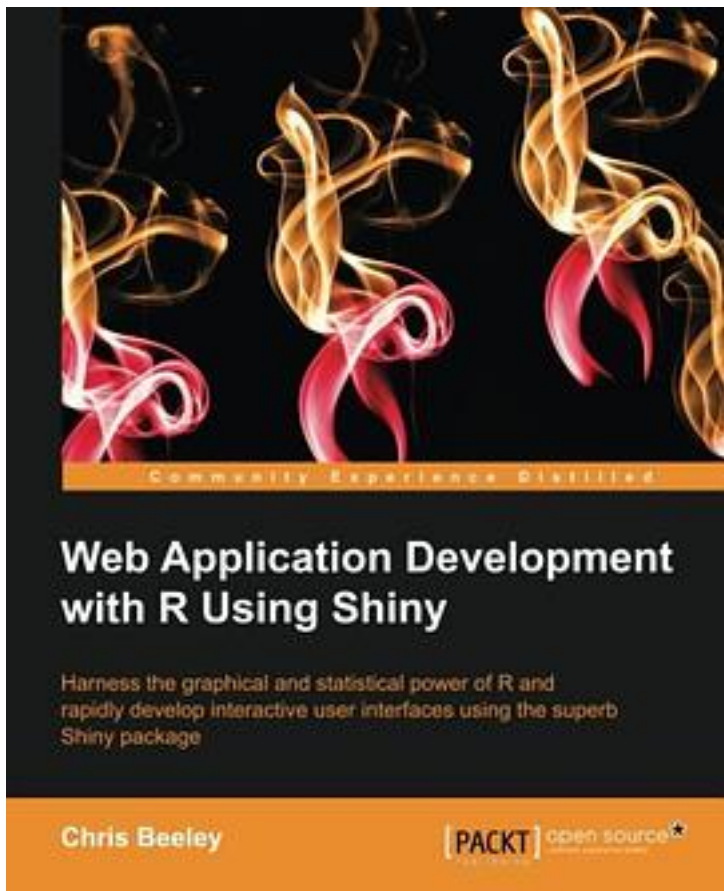


Web Application Development with R Using Shiny



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【What you will learn from this book?】

--Produce advanced analysis and graphics using R

- Implement Shiny's built-in widgets to rapidly build user interfaces
- Apply reactive programming techniques to handle user interactions with minimal coding
- Adapt and change your interfaces in response to user input to give your users an engaging and rewarding experience
- Integrate JavaScript and jQuery with Shiny to add different and exciting content and interactions to your Shiny applications
- Use HTML and CSS to style your Shiny applications and integrate them seamlessly with your own web content
- Serve your users better by allowing them to upload their own data and download the results quickly and simply
- Deploy Shiny applications over the Web using simple and free technologies

【In detail】

R is a highly flexible and powerful tool for analyzing and visualizing data. Shiny is the perfect companion to R, making it quick and simple to share analysis and graphics from R that users can interact with and query over the Web. Let Shiny do the hard work and spend your time generating content and styling, not writing code to handle user inputs.

Web Application Development with R Using Shiny is an accessible introduction to sharing interactive content from R using Shiny. You will learn by doing, with each chapter including code and examples to use and adapt for your own applications. By the end of this book, you will be able to build useful and engaging web applications with only a few lines of code – no JavaScript required.

Web Application Development with R Using Shiny will show you how to begin analyzing, visualizing, and sharing your data using practical examples.

This book will teach you how to rapidly prototype and build interactive data summaries using Shiny's built-in widgets and functions. You will learn how to integrate Shiny applications with your existing HTML and CSS, how to greatly extend the power and usability of your applications using JavaScript, and how to quickly deploy them over the Web.

The book uses practical examples to show you how to get the best out of R and Shiny, helping you to produce and share cutting-edge analytics with minimal effort.

【Approach】

This book follows a standard tutorial-based approach which will teach you how to make a web app using R and Shiny quickly and easily.

【Who this book is for?】

This book is for anybody who wants to produce interactive data summaries over the Web, whether you want to share them with a few colleagues or the whole world. You

need no previous experience with R, Shiny, HTML, or CSS to begin using this book, although you will need at least a little previous experience with programming in a different language.

作者介绍:

【About the Author】 - Chris Beeley

Chris Beeley is an Applied Researcher working in healthcare in the UK. He completed his PhD in Psychology at the University of Nottingham in 2009 and now works with Nottinghamshire Healthcare NHS Trust providing statistical analysis and other types of evaluation and reporting using routine data generated within the Trust. Chris has a special interest in the use of regression methods in applied healthcare settings, particularly forensic psychiatric settings, as well as in the collection, analysis, and reporting of patient feedback data.

Chris has been a keen user of R and a passionate advocate of open-source tools within research and healthcare settings since completing his PhD. He has made extensive use of R (and Shiny) to automate analysis and reporting for new patient feedback websites. This was funded by a grant from the NHS Institute for Innovation and made in collaboration with staff, service users, and carers within the Trust, particularly individuals from the Involvement Cent

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标签

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R

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评论

有实用性

这种书难以规避的弊端就是，所讲的主题需要多种技能的组合，于是都要兼顾，最后只能泛泛而谈，其实还不如StackOverflow来得快。

有些api比较老了，需要去翻shiny新的官方文档；另外我个人比较喜欢shinydashboard的二次封装，但这本书似乎没有提及。

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书评

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