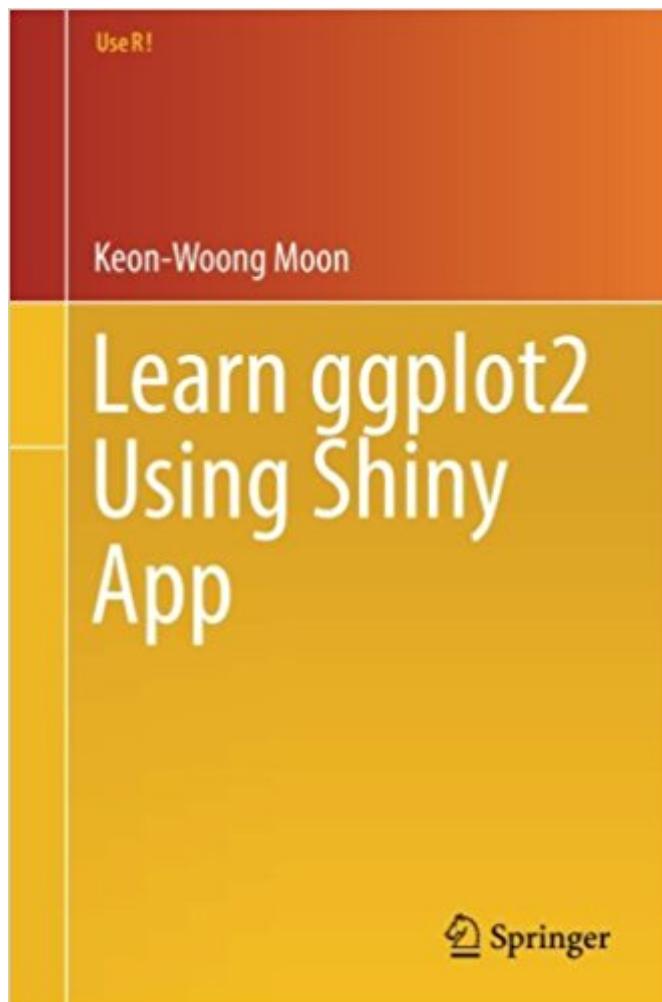


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# Learn Ggplot2 Using Shiny App (Use R!)



## Synopsis

This book and app is for practitioners, professionals, researchers, and students who want to learn how to make a plot within the R environment using ggplot2, step-by-step without coding. In widespread use in the statistical communities, R is a free software language and environment for statistical programming and graphics. Many users find R to have a steep learning curve but to be extremely useful once overcome. ggplot2 is an extremely popular package tailored for producing graphics within R but which requires coding and has a steep learning curve itself, and Shiny is an open source R package that provides a web framework for building web applications using R without requiring HTML, CSS, or JavaScript. This manual "integrating" R, ggplot2, and Shiny introduces a new Shiny app, Learn ggplot2, that allows users to make plots easily without coding. With the Learn ggplot2 Shiny app, users can make plots using ggplot2 without having to code each step, reducing typos and error messages and allowing users to become familiar with ggplot2 code. The app makes it easy to apply themes, make multiplots (combining several plots into one plot), and download plots as PNG, PDF, or PowerPoint files with editable vector graphics. Users can also make plots on any computer or smart phone. Learn ggplot2 Using Shiny App allows users to make publication-ready plots in minutes without coding. Download plots with desired width, height, and resolution. Plot and download plots in png, pdf, and PowerPoint formats, with or without R code and with editable vector graphics.

## Book Information

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This book and app is for practitioners, professionals, researchers, and students who want to learn how to make a plot within the R environment using ggplot2, step-by-step without coding. In widespread use in the statistical communities, R is a free software language and environment for statistical programming and graphics. Many users find R to have a steep learning curve but to be extremely useful once overcome. ggplot2 is an extremely popular package tailored for producing graphics within R but which requires coding and has a steep learning curve itself, and Shiny is an open source R package that provides a web framework for building web applications using R without requiring HTML, CSS, or JavaScript. This manual "integrating" R, ggplot2, and Shiny introduces a new Shiny app, Learn ggplot2, that allows users to make plots easily without coding. With the Learn ggplot2 Shiny app, users can make plots using ggplot2 without having to code each step, reducing typos and error messages and allowing users to become familiar with ggplot2 code. The app makes it easy to apply themes, make multiplots (combining several plots into one plot), and download plots as PNG, PDF, or PowerPoint files with editable vector graphics. Users can also make plots on any computer or smart phone. Learn ggplot2 Using Shiny App allows users to make publication-ready plots in minutes without coding. Download plots with desired width, height, and resolution. Plot and download plots in png, pdf, and PowerPoint formats, with or without R code and with editable vector graphics. Keon-Woong Moon, M.D., Ph.D., is Professor of Cardiology at the Catholic University of Korea and serves as the Director of Cardiology at St. Vincent's hospital. In 2014, he completed the Data Science Specialization course authorized by Johns Hopkins University offered through Coursera. Recently he developed four R packages (mycor, moonBook, ztable, and ggiraphExtra) for distribution on CRAN. He has taught residents, fellows, and junior staff about R and ggplot2 for many years, and he is the author of two books in Korean: R Statistics and Graphs for Medical Papers (2015, Hannarae) and Web-Based Analysis without R in Your Computer (2015, Hannarae).

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This book is fast and easy to understand, using examples that are suited to concise expressions and medical papers. When you write a medical paper, you can easily use the published R, which will be of great help. I especially like that data and graphs are optimized for medical papers. I recommend a good book. Written by JuYeon.

It seems that Dr. Moon has a great talent for making it easy and simple. The original R is not an easy tool for the beginner, but Dr. Moon made a miracle for a complete novice at R statistics! I hope that he will make a new books and applications for us. Once again, I sincerely appreciate his effort.

This book is easily read in general. The figures and explanation was adequate to understand even I'm novice in R plotting. I think it's only tip of iceberg considering Dr. Moon's deep knowledge, and hope next series of his also covers practical knowledge with excellent readability.

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