**R Shiny** is a powerful R package that allows you to build interactive web applications and dynamic dashboards directly from R. [It seamlessly connects a web page (UI) to a live R session (server), enabling users to manipulate the UI and trigger server-side updates through R code1](https://rstudio.github.io/cheatsheets/html/shiny.html).

Here are **five free resources** to learn R Shiny:

1. [**Mastering Shiny**](https://rstudio.github.io/cheatsheets/html/shiny.html): This comprehensive book by Hadley Wickham takes you from a Shiny beginner to creating complex, maintainable applications. [It covers reactive elements, graphics, layouts, themes, and user feedback](https://rstudio.github.io/cheatsheets/html/shiny.html)[2](https://www.r-bloggers.com/2022/01/top-7-best-r-shiny-books-and-courses-that-are-completely-free/).
2. [**Outstanding User Interfaces With Shiny**](https://teachdatascience.com/shiny1/): Aimed at experienced Shiny users, this book delves into underlying web technologies. [Learn to design polished interfaces, interactive widgets, and mobile-friendly templates](https://rstudio.github.io/cheatsheets/html/shiny.html)[3](https://www.r-bloggers.com/2021/04/the-best-resources-for-learning-shiny-app-development/).
3. [**Engineering Production-Grade Shiny Apps**](https://www.r-bloggers.com/2021/04/the-best-resources-for-learning-shiny-app-development/): By Colin Fay and others, this resource focuses on building robust Shiny apps. [It covers best practices, deployment, and scalability](https://rstudio.github.io/cheatsheets/html/shiny.html)[3](https://www.r-bloggers.com/2021/04/the-best-resources-for-learning-shiny-app-development/).
4. [**The Shiny AWS Book**](https://r-craft.org/top-7-best-r-shiny-books-and-courses-that-are-completely-free/): Dive into deploying Shiny apps on Amazon Web Services (AWS) with this book by Matt Dancho[4](https://r-craft.org/top-7-best-r-shiny-books-and-courses-that-are-completely-free/).
5. [**How to Start Shiny**](https://shiny.posit.co/r/getstarted/): If you prefer visual learning, RStudio’s free tutorial covers basic Shiny concepts, including inputs, outputs, reactivity, and UI design[1](https://rstudio.github.io/cheatsheets/html/shiny.html).

Happy learning! 🌟📚