

Shiny (/)

from

(<https://www.rstudio.com/>) Get Started (/tutorial/) Gallery (/gallery/) Articles (/articles/) App Stories (/app-stories/) Refere

Gallery

Welcome to the Shiny Gallery! Below you can find a myriad of Shiny apps to be inspired by and to learn from. We have organized the apps in two main categories:

- **Shiny User Showcase** comprised of contributions from the Shiny app developer community.
- **Shiny Demos** that are designed to highlight specific features of shiny, the package.

Shiny User Showcase

The Shiny User Showcase is comprised of contributions from the Shiny app developer community.

The apps are categorized into application areas and presented with a brief description, tags, and for many, the source code. Note that many of these apps are winners and honorable mentions of our annual Shiny contest (<https://blog.rstudio.com/2019/04/05/first-shiny-contest-winners/>)!

Education

Apps designed for teaching



(/gallery/didacting-modeling.html)

Didactic modeling process:
Linear regression
(/gallery/didacting-modeling.html)



(/gallery/immune-response-modeling.html)

R/Shiny package to learn
immune response modeling
(/gallery/immune-response-modeling.html)



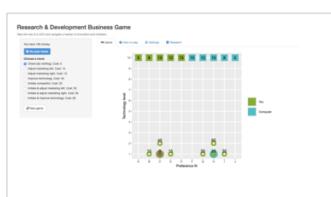
(/gallery/ncaa-swim-team-finder.html)

NCAA Swimming Team
Finder for Incoming College
Athletes
(/gallery/ncaa-swim-team-finder.html)

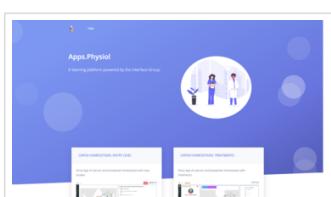


(/gallery/radiant.html)

Radiant - A shiny app for
statistics and machine
learning
(/gallery/radiant.html)



(/gallery/rd-business-game.html)

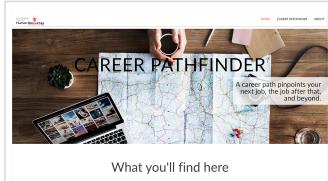


(/gallery/teach-physiology.html)

R&D Business Game
[Shiny \(/\)](#)
 (/gallery/rd-business-game.html)

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Finance / Banking



(/gallery/career-pathfinder.html)
Career PathFinder
 (/gallery/career-pathfinder.html)



(/gallery/real-estate-investment.html)
Identifying real estate investment opportunities
 (/gallery/real-estate-investment.html)

Government / Public sector

Mostly open data



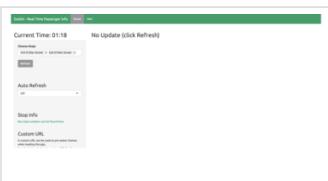
(/gallery/brazil-voter-profile.html)
Voronoys - Understanding voters' profile in Brazilian elections
 (/gallery/brazil-voter-profile.html)



(/gallery/crime-watch.html)
Crime Watch
 (/gallery/crime-watch.html)



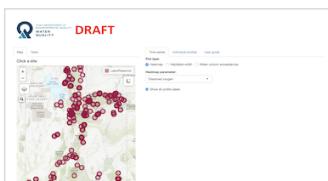
(/gallery/dairy-farms.html)
Pasture Potential Tool for improving dairy farm profitability and environmental impact
 (/gallery/dairy-farms.html)



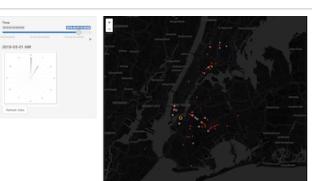
(/gallery/dublin-transport.html)
Dublin Transport Info
 (/gallery/dublin-transport.html)



(/gallery/india-blood-banks.html)
Locating Blood Banks in India
 (/gallery/india-blood-banks.html)



(/gallery/lake-profile-dashboard.html)
Utah Lake Water Quality Profile Dashboard
 (/gallery/lake-profile-dashboard.html)



(/gallery/nyc-metro.html)
Animated NYC metro traffic
 (/gallery/nyc-metro.html)



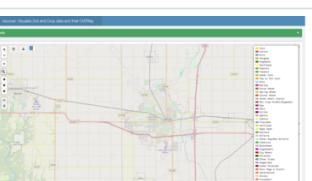
(/gallery/nz-trade-dash.html)
New Zealand Trade Intelligence Dashboard
 (/gallery/nz-trade-dash.html)



(/gallery/scotphoto-profiles.html)



(/gallery/soil-profiles.html)
Visualisation of soil profiles
 (/gallery/soil-profiles.html)



(/gallery/viscover.html)
VISCOVER
 (/gallery/viscover.html)



(/gallery/city-cycle.html)
City Cycle Race (with STRAVA) - Compare the

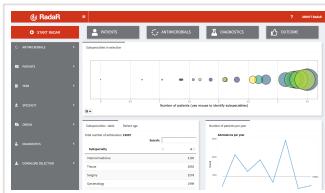
ScotPHO Profiles Tool Shiny (/) (gallery/scotpho-profiles.html)

(<https://www.rstudio.com/>) Get Started (/tutorial/) Gallery (/gallery/) Articles (/articles/) App Stories (/app-stories/) Refere

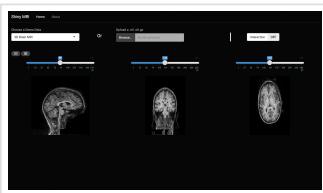
Life sciences



(/gallery/covid19-tracker.html)
COVID-19 tracker
(/gallery/covid19-tracker.html)



(/gallery/hospital-data-antimicrobial.html)
Exploring large hospital data for better use of antimicrobials
(/gallery/hospital-data-antimicrobial.html)



(/gallery/mri-images.html)
ShinyMRI - View MRI images in Shiny
(/gallery/mri-images.html)

cycling speed of cities
(/gallery/city-cycle.html)

App Stories (/app-stories/)

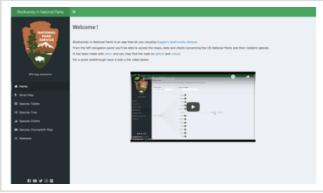
Refere



(/gallery/ab-test-sample-size.html)
A/B Testing Sample Size Calculator
(/gallery/ab-test-sample-size.html)



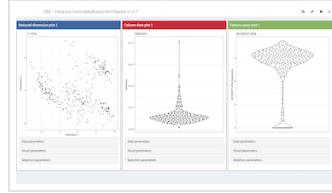
(/gallery/animal-tracking.html)
ctmmweb, a web app to analysis Animal tracking data
(/gallery/animal-tracking.html)



(/gallery/biodiversity-national-parks.html)
Visualizing Biodiversity in National Parks data
(/gallery/biodiversity-national-parks.html)



(/gallery/explore-panel-data.html)
ExPanD: Explore Your Data Interactively
(/gallery/explore-panel-data.html)



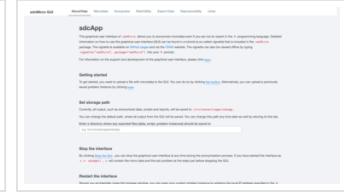
(/gallery/isee.html)
iSEE
(/gallery/isee.html)



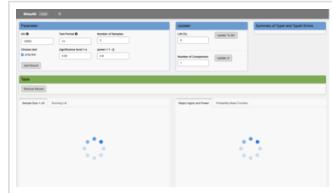
(/gallery/mote-effect-size.html)
MOTE: An Effect Size Calculator
(/gallery/mote-effect-size.html)



(/gallery/phylo-tree-view-subset.html)
Interactively view and subset phylogenetic trees
(/gallery/phylo-tree-view-subset.html)



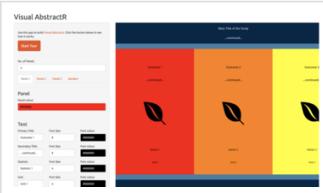
(/gallery/sdcapp-microdata.html)
sdcApp - microdata disclosure control
(/gallery/sdcapp-microdata.html)



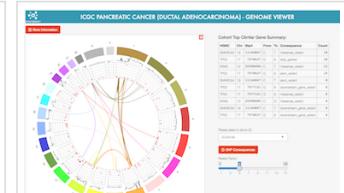
(/gallery/shinyab-sample-size.html)
Shiny Contest Submission : ShinyAB - Shiny Apps Calculator of Sample Size for AB test



(/gallery/shroom-edibility-prediction.html)
Shrooming - Interactive mushroom edibility predictions with XGBoost



(/gallery/visual-abstracts.html)
Visual Abstracts for Original Research
(/gallery/visual-abstracts.html)



(/gallery/genome-browser.html)
Genome browser
(/gallery/genome-

(/gallery/shinyab-sample-size.html) (/)

from
<https://www.rstudio.com/> Get Started (/tutorial/) Gallery (/gallery/) Articles (/articles/) App Stories (/app-stories/) Refere

Sports



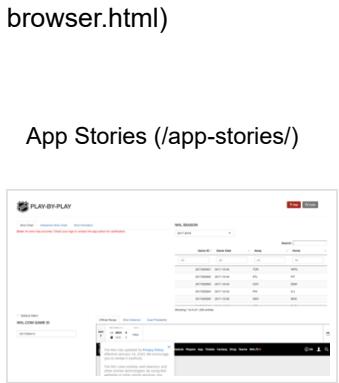
(/gallery/fifa-births.html)
 App showing the birth locations of all players in the 2018 FIFA World Cup
 (/gallery/fifa-births.html)



(/gallery/impact-replay-cfl.html)
 Impact Replays: Relive the Best Moments of the CFL
 (/gallery/impact-replay-cfl.html)



(/gallery/masters.html)
 The Masters
 (/gallery/masters.html)



(/gallery/nhl-play-by-play.html)
 National Hockey League Play-by-Play App
 (/gallery/nhl-play-by-play.html)

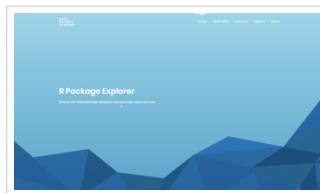


(/gallery/soccer-player-similarity.html)
 The ten most similar players - Pro Evolution Soccer 2019
 (/gallery/soccer-player-similarity.html)

Technology



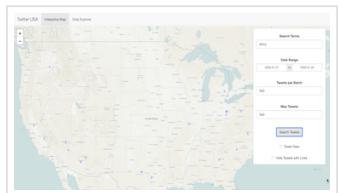
(/gallery/chirp.html)
 Chirp (/gallery/chirp.html)



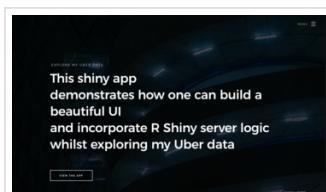
(/gallery/cran-explorer.html)
 CRAN Explorer
 (/gallery/cran-explorer.html)



(/gallery/d3-dynamic-report.html)
 Advanced D3 interactive charts with dynamic reports
 (/gallery/d3-dynamic-report.html)



(/gallery/map-twitter-sentiment.html)
 Mapping the Geographic Distribution of Twitter Sentiments
 (/gallery/map-twitter-sentiment.html)



(/gallery/uber-rider.html)
 ubeRideR (/gallery/uber-rider.html)

Miscellaneous



(/gallery/bus-company-simulation.html)

A bus company simulation game (/gallery/bus-company-simulation.html)



(/gallery/conference-tweet-dashboard.html)

A Dashboard for Conference Tweets (/gallery/conference-tweet-dashboard.html)



(/gallery/dog-medical-history.html)

An App to Visualize and Share My Dogs' Medical History (/gallery/dog-medical-history.html)

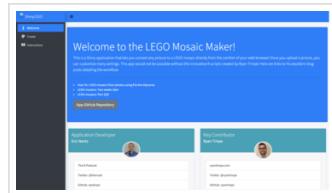


(/gallery/hex-memory.html)

Hex Memory Game

(/gallery/hex-memory.html)

Refere



(/gallery/lego-mosaic.html)

The Shiny LEGO mosaic creator (/gallery/lego-mosaic.html)



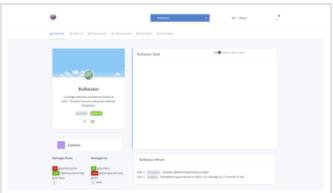
(/gallery/lego-world.html)

Living in the Lego World (/gallery/lego-world.html)



(/gallery/magnetic-fields.html)

A lyrical analysis of '69 Love Songs' by Magnetic Fields (/gallery/magnetic-fields.html)



(/gallery/pokemon-explorer.html)

Gotta Catch' Em (Almost) All (/gallery/pokemon-explorer.html)



(/gallery/pokemon-questions.html)

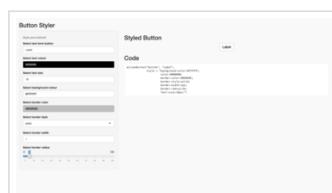
Pokémon 20 Questions (/gallery/pokemon-questions.html)



(/gallery/tidy-tuesday.html)

tidytuesday.rocks: A #TidyTuesday Tweet Catalogue (/gallery/tidy-tuesday.html)

Extending Shiny



(/gallery/button-styler.html)

Interactive Button Styler



(/gallery/drag-drop-map-maker.html)

Drag-and-drop U.S. mapmaker (/gallery/drag-drop-map-maker.html)



(/gallery/shiny-wysiwyg.html)

ShinyWYSIWYG: a Shiny What You See Is What You Get editor (/gallery/shiny-wysiwyg.html)

Shiny Demos

from

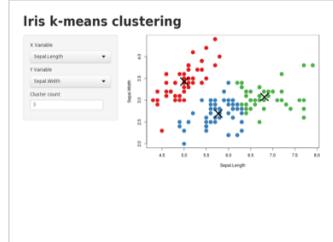
Shiny Demos are a series of apps created by the Shiny developers and are designed to highlight (<https://www.rstudio.com/>) Get Started (/tutorial/) Gallery (/gallery/) Articles (/articles/) App Stories (/app-stories/)

specific features of the shiny package. Each app is presented along with its source code to help you implement these features in your apps. Many of these apps are linked from relevant articles as well.

Refere

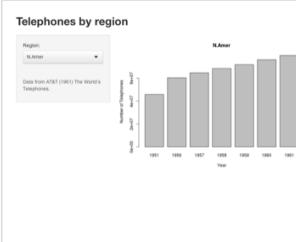
Start simple

If you're new to Shiny, these simple but complete applications are designed for you to learn from.



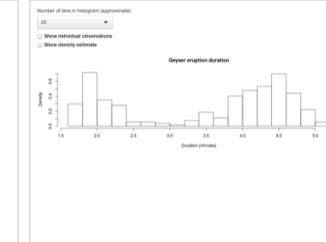
(/gallery/kmeans-example.html)

Kmeans example
(/gallery/kmeans-example.html)



(/gallery/telephones-by-region.html)

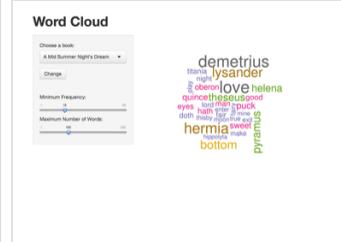
Telephones by region
(/gallery/telephones-by-region.html)



(/gallery/faithful.html)

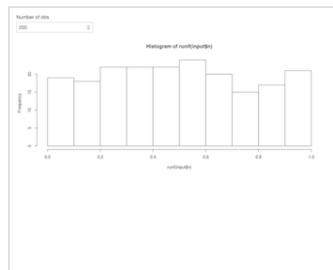
Faithful

(/gallery/faithful.html)



(/gallery/word-cloud.html)

Word cloud (/gallery/word-cloud.html)



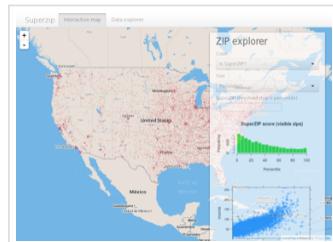
(/gallery/single-file-shiny-app.html)

Single-file shiny app
(/gallery/single-file-shiny-app.html)

Interactive visualizations

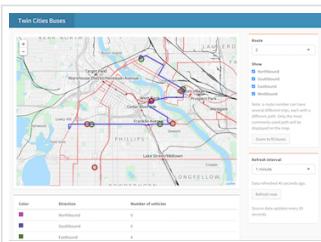
Shiny is designed for fully interactive visualization, using JavaScript libraries like d3

(http://www.htmlwidgets.org/showcase_networkD3.html), Leaflet (<http://rstudio.github.io/leaflet/>), and Google Charts (<https://github.com/mages/googleVis/>).



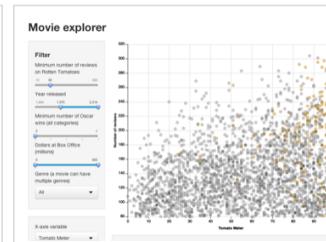
(/gallery/superzip-example.html)

SuperZip example
(/gallery/superzip-example.html)



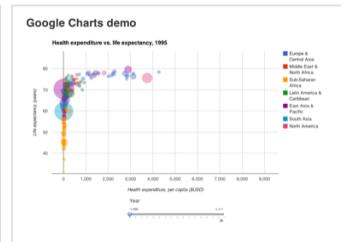
(/gallery/bus-dashboard.html)

Bus dashboard
(/gallery/bus-dashboard.html)



(/gallery/movie-explorer.html)

Movie explorer
(/gallery/movie-explorer.html)



(/gallery/google-charts.html)

Google Charts
(/gallery/google-charts.html)

Shiny (/) Widgets

Get to know many of the input and output widgets that are available in Shiny with these examples.

(<https://www.rstudio.com/>) Get Started (/tutorial/) Gallery (/gallery/) Articles (/articles/) App Stories (/app-stories/)

Refere

(/gallery/widget-gallery.html)

Widget Gallery
(/gallery/widget-gallery.html)

(/gallery/sliders.html)

Sliders

(/gallery/sliders.html)

(/gallery/widgets.html)

Widgets

(/gallery/widgets.html)

(/gallery/basic-datable.html)

Basic DataTable

(/gallery/basic-datable.html)

(/gallery/datatables-demo.html)

DataTables Demo
(/gallery/datatables-demo.html)

(/gallery/datatables-options.html)

DataTables Options
(/gallery/datatables-options.html)

(/gallery/date-and-date-range.html)

Date and date range
(/gallery/date-and-date-range.html)

(/gallery/dynamic-clustering.html)

Dynamic Clustering
(/gallery/dynamic-clustering.html)

(/gallery/file-upload.html)

File Upload
(/gallery/file-upload.html)

(/gallery/file-download.html)
File Download
(/gallery/file-download.html)

(/gallery/selectize-examples.html)
Selectize Examples
(/gallery/selectize-examples.html)

(/gallery/selectize-vs-select.html)
Selectize vs. Select
(/gallery/selectize-vs-select.html)

(/gallery/option-groups-for-selectize-input.html)

Option groups for selectize input
(/gallery/option-groups-for-selectize-input.html)

(/gallery/custom-input-bindings.html)

Custom input bindings
(/gallery/custom-input-bindings.html)

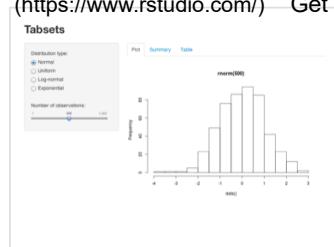
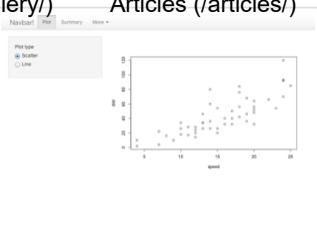
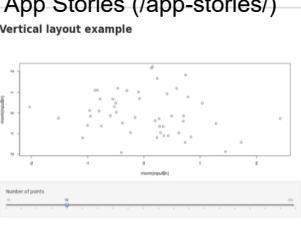
(/gallery/custom-input-control.html)

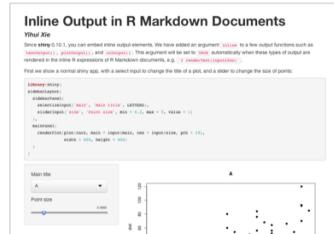
Custom input control
(/gallery/custom-input-control.html)

(/gallery/mathjax.html)
MathJax
(/gallery/mathjax.html)

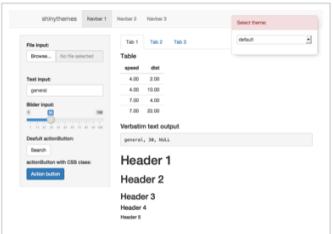
Shiny (/) Application layout

Each example in this category demonstrates one or more of the functions you can use to organize app UI.

(https://www.rstudio.com/)	Get Started (/tutorial/)	Gallery (/gallery/)	Articles (/articles/)	App Stories (/app-stories/)	Refere
					
(/gallery/tabssets.html)	Tabssets	(/gallery/navbar-example.html)	(/gallery/vertical-layout.html)		
(/gallery/tabssets.html)	Plot plus three columns	(/gallery/navbar-example.html)	(/gallery/vertical-layout.html)		
(/gallery/retirement-simulation.html)	Retirement simulation	(/gallery/absolutely-positioned-panels.html)	(/gallery/including-html-text-and-markdown-files.html)		
(/gallery/retirement-simulation.html)	navlistPanel example	(/gallery/absolutely-positioned-panels.html)	(/gallery/including-html-text-and-markdown-files.html)		
(/gallery/inline-output.html)	navlistPanel example	(/gallery/including-html-text-and-markdown-files.html)			
(/gallery/inline-output.html)	Shiny theme selector				
(/gallery/inline-output.html)	Including HTML, text, and Markdown files				



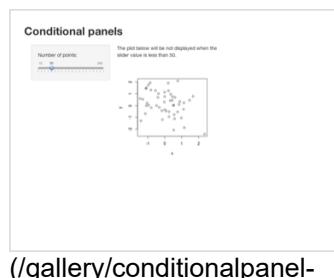
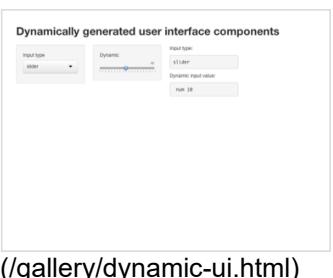
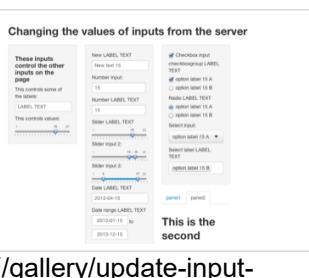
[\(/gallery/inline-output.html\)](/gallery/inline-output.html)
Inline Output
[\(/gallery/inline-output.html\)](/gallery/inline-output.html)



[Shiny theme selector](#)
[\(/gallery/shiny-theme-selector.html\)](/gallery/shiny-theme-selector.html)

Dynamic user interface

These examples show how to create a user interface that changes dynamically.

Conditional panels	Dynamically generated user interface components	Changing the values of inputs from the server
		
(/gallery/conditionalpanel-	/gallery/dynamic-ui.html	/gallery/update-input-

demo.html)
Shiny (6)
 conditionalPanel demo
 (/gallery/conditionalpanel-demo.html)
 (<https://www.rstudio.com/>) Get Started (/tutorial/)

Dynamic UI
 (/gallery/dynamic-ui.html)
 Gallery (/gallery/)

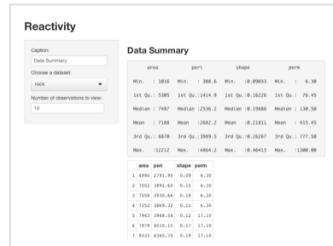
demo.html)
 Update input demo
 (/gallery/update-input-demo.html)
 Articles (/articles/)

App Stories (/app-stories/)

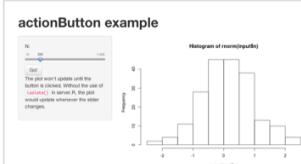
Refere

Reactive programming

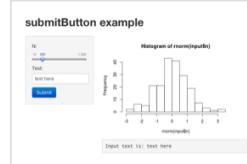
These examples illustrate some useful features and idioms of Shiny's reactive programming framework.



(/gallery/reactivity.html)
 Reactivity
 (/gallery/reactivity.html)



(/gallery/actionbutton-demo.html)
 actionBar demo
 (/gallery/actionbutton-demo.html)



(/gallery/submitbutton-demo.html)
 submitButton demo
 (/gallery/submitbutton-demo.html)



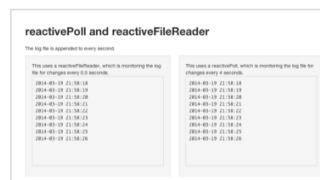
(/gallery/isolate-demo.html)
 isolate demo
 (/gallery/isolate-demo.html)



(/gallery/observer-demo.html)
 Observer demo
 (/gallery/observer-demo.html)



(/gallery/timer.html)
 Timer (/gallery/timer.html)



(/gallery/reactive-poll-and-file-reader.html)
 Reactive poll and file reader
 (/gallery/reactive-poll-and-file-reader.html)

Advanced Shiny

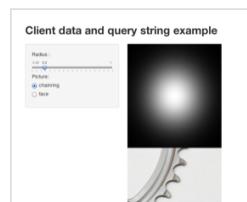
These examples show how to extend Shiny and use advanced features.



(/gallery/server-to-client-custom-messages.html)
 Server-to-client custom messages
 (/gallery/server-to-client-custom-messages.html)



(/gallery/client-data-and-query-string.html)
 Client data and query string
 (/gallery/client-data-and-query-string.html)



(/gallery/image-output.html)
 Image output
 (/gallery/image-output.html)



(/gallery/chat-room.html)
 Chat room
 (/gallery/chat-room.html)

Shiny (/)

from
[\(https://www.rstudio.com/\)](https://www.rstudio.com/) [Get Started \(/tutorial/\)](#) [Gallery \(/gallery/\)](#) [Articles \(/articles/\)](#) [App Stories \(/app-stories/\)](#) [Refere](#)

(/gallery/generating-reports.html) Generating reports (/gallery/generating-reports.html)	(/gallery/download-knitr-reports.html) Download knitr Reports (/gallery/download-knitr-reports.html)	(/gallery/selectize-rendering-methods.html) Selectize rendering methods (/gallery/selectize-rendering-methods.html)	(/gallery/option-groups-for-server-side-selectize.html) Option groups for server-side selectize (/gallery/option-groups-for-server-side-selectize.html)
(/gallery/creating-a-ui-from-a-loop.html) Creating a UI from a loop (/gallery/creating-a-ui-from-a-loop.html)	(/gallery/progress-bar-example.html) Progress bar example (/gallery/progress-bar-example.html)	(/gallery/bookmarking-url.html) Bookmarking - URL (/gallery/bookmarking-url.html)	(/gallery/bookmarking-with-updatequeryString.html) Bookmarking with updateQueryString (/gallery/bookmarking-with-updatequeryString.html)
(/gallery/modal-dialogs.html) Modal dialogs (/gallery/modal-dialogs.html)			

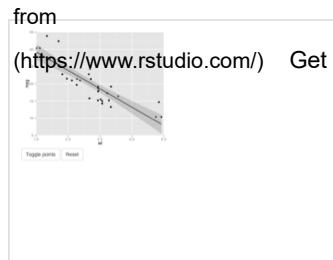
Interactive plots

These examples show how to use Shiny's interactive plotting features

The figure consists of four side-by-side screenshots from the Bokeh gallery, each illustrating a different type of interactivity:

- Plot Interactions - Basic:** Shows a scatter plot of diamonds with basic selection and inspection tools.
- Plot Interactions - Advanced:** Shows a scatter plot with more complex interaction controls like a heatmap overlay and multiple selection modes.
- Image Interaction - Basic:** Shows a grid-based image with basic selection and inspection tools.
- Plot Interaction - Selecting Points:** Shows a scatter plot with points highlighted by mouse position and a list of nearby points.

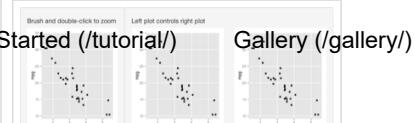
basic.html)
Shiny (/)



(/gallery/plot-interaction-exclude.html)

Plot interaction - exclude
(/gallery/plot-interaction-exclude.html)

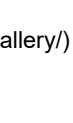
advanced.html)



(/gallery/plot-interaction-zoom.html)

Plot interaction - zoom
(/gallery/plot-interaction-zoom.html)

basic.html)



Articles (/articles/)

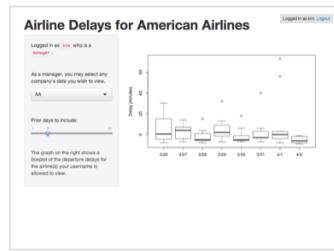
interaction-selecting-points.html)

App Stories (/app-stories/)

Refere

Professional Features

These examples demonstrate some of the unique features of RStudio Connect.



(/gallery/authentication-and-database.html)

Authentication and database
(/gallery/authentication-and-database.html)

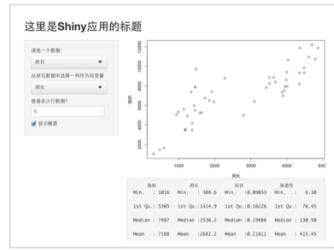


(/gallery/personalized-ui.html)

Personalized UI
(/gallery/personalized-ui.html)

Internationalization

Include multi-byte characters in Shiny apps.



(/gallery/unicode-characters.html)

Unicode characters
(/gallery/unicode-characters.html)

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