

Introduction to R Shiny

Workshop-ggplot

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NBIS, SciLifeLab

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- UI
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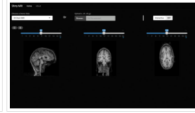
Life sciences



COVID-19 tracker



Exploring large hospital data for better use of antimicrobials



ShinyMRI - View MRI images in Shiny



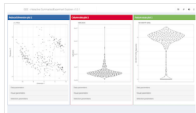
A/B Testing Sample Size Calculator



ctmmweb, a web app to analysis Animal tracking data



Visualizing Biodiversity in National Parks data



ISEE



MOTE: An Effect Size Calculator



Interactively view and subset phylogenetic trees

(<https://shiny.rstudio.com/gallery/>)

What is shiny?

- Interactive documents & web applications
- Completely created using R
- Needs a live environment

Usage

- [Standalone web applications](#)
- [Dashboard/Flexboard](#)
- Interactive RMarkdown
- Gadgets/RStudio extensions

App structure

- UI Layout
- UI Inputs (Widgets)
- UI Outputs
- Renderer
- Builder

Code structure

One file format

app.R

```
ui <- fluidPage()  
server <- function(input,output) {}  
shinyApp(ui=ui,server=server)
```

Two file format

ui.R

```
ui <- fluidPage()
```

server.R

```
server <- function(input,output) {}
```



Thank you. Questions?

R version 4.1.0 (2021-05-18)

Platform: x86_64-pc-linux-gnu (64-bit)

OS: Ubuntu 18.04.5 LTS

Built on: 📅 20-Jul-2021 at 🕒 12:30:43

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