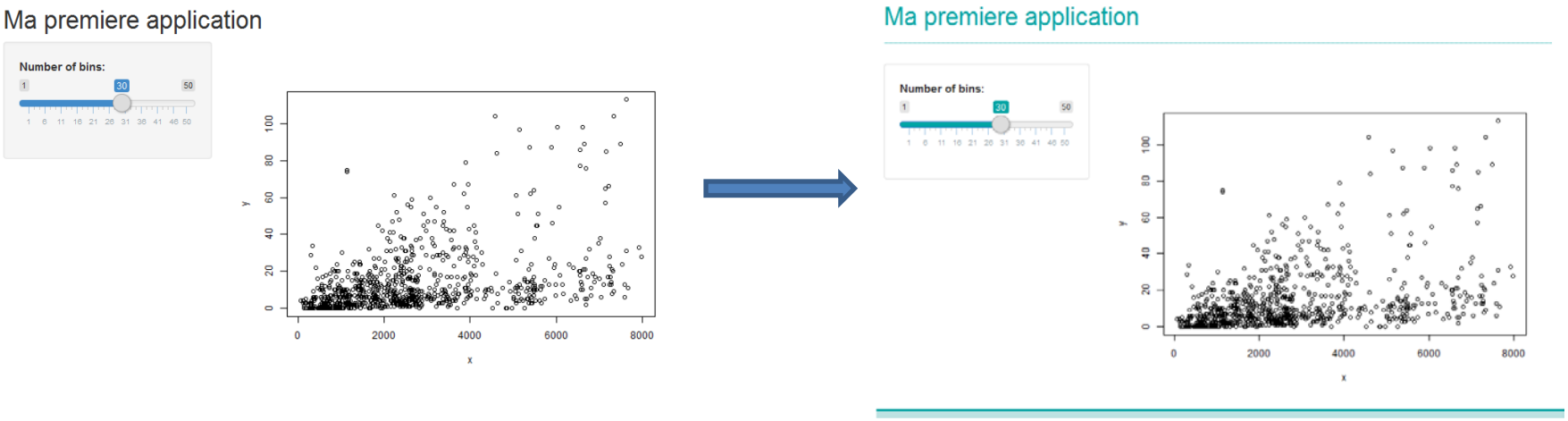
Quelques fonctionnalités supplémentaires de **Shiny**

Le design…

Comment changer de style ?



Trois étapes seulement :

1- Créer un répertoire nommé **www**

2- Y copier un style CSS (e.g. boostrap-journal.css)

3- Modifier le thème de la page dans **`ui.R`**

ui

Remplacer :

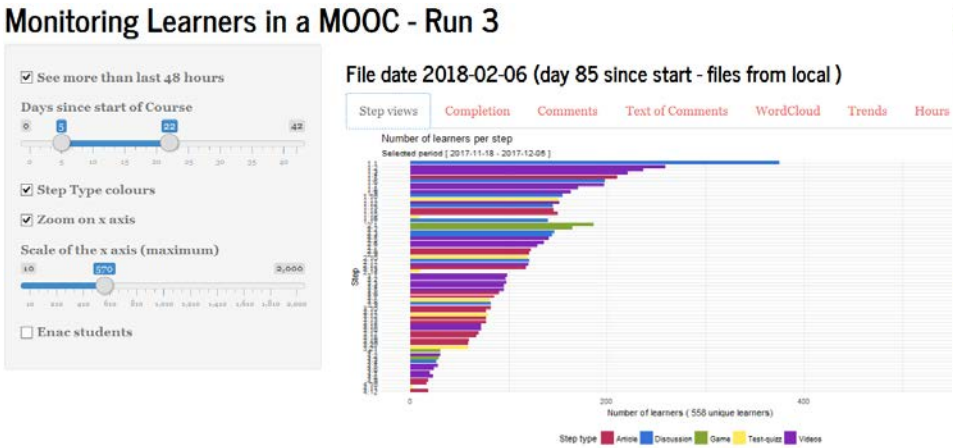
```
shinyUI(fluidPage(
```

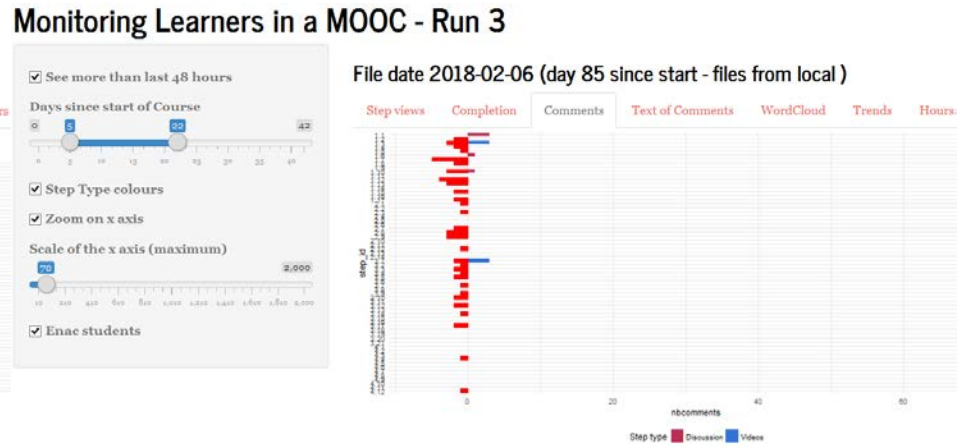
Par

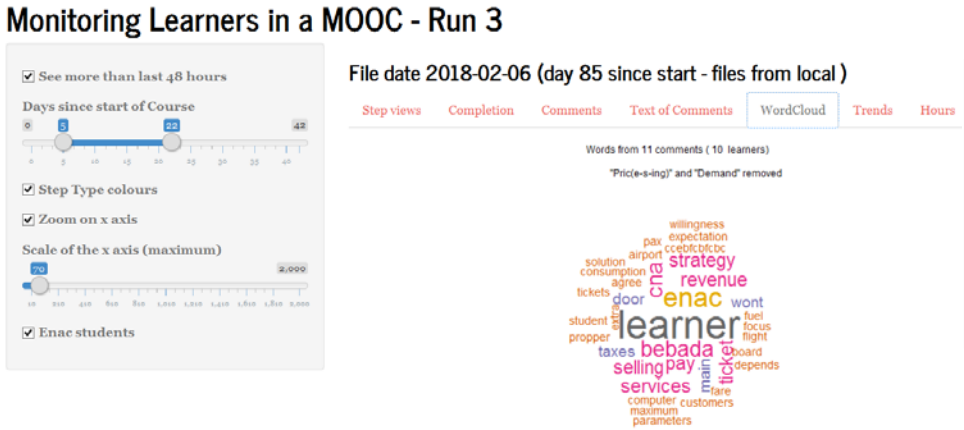
```
shinyUI(fluidPage(theme="Bootstrap-Journal.css",
```

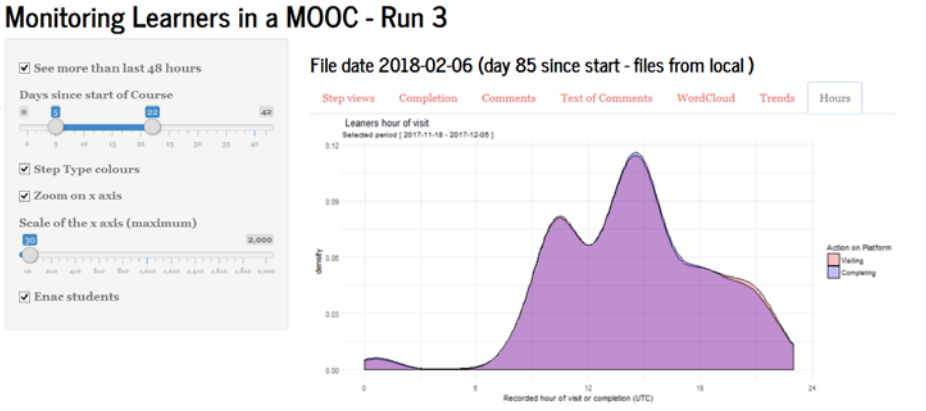
Voir aussi: https://shiny.rstudio.com/articles/css.html

Des outputs dans des onglets









Des outputs dans des onglets

ui

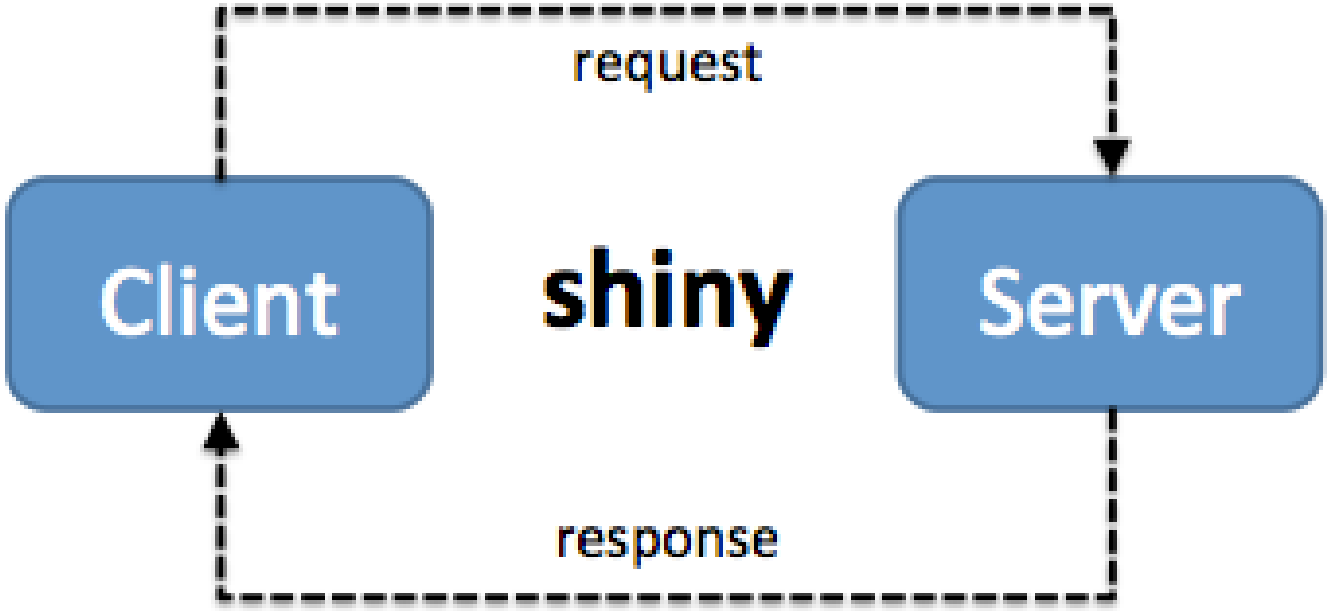
Remplacer :

```
mainPanel(
        plotOutput("distPlot")
         )
```

Par

```
mainPanel(
   h3("Mon titre"),
    tabsetPanel(
      tabPanel("Step views", plotOutput("LearnersByStep")),
      tabPanel("Completion", plotOutput("Completebystep")),
      tabPanel("Comments", plotOutput("Commentsbystep")),
      tabPanel("Text of Comments", htmlOutput("text")),
      tabPanel("WordCloud",  plotOutput("wordcloud")),
      tabPanel("Trends", plotOutput("TrendingSteps")),
      tabPanel("Hours", plotOutput("VisitHours"))
    )
```

Les données…



`ui.R` et `server.R` ont un ami..

`global.R` est un fichier d'objets utilisables dans l'environnement (*i.e.* par `ui.R` et `server.R`)

- Données :
  - `my_data <- read_csv("data/my_data_file.csv")`
  - `db_conn <- dplyr::src_postgres(...db_credentials...)`
- Packages, objets :
  - `library(dplyr)`
  - `my_colors <- c("orange", "blue")`
- Scripts
  - `source(my_tools.R)`
- Fonctions
  - `Kernel <- function(.. )` → Attention ne doit pas être réactive ! !!!

Voir aussi: https://rpubs.com/redrobincl/321857

Et aussi...

Des trucs sympas :

- Shinydashboard
- Shiny widgets
- Leaflet,
- Plotly, datatable
- Shiny modules
- Shinyapps.io
- ….

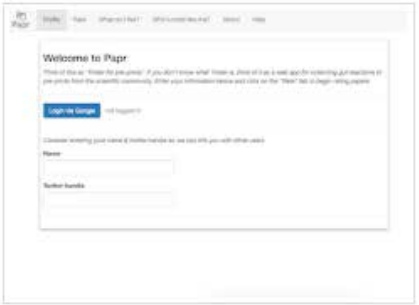
Références :

- Rpubs - *Introduction to web application development with Shiny*
- Shiny gallery
- RStudio Shiny Articles
- RStudio Shiny Cheatsheet
- RStudio Teach Yourself Shiny
- RStudio Webinar - How to start with Shiny – Part 1
- RStudio Shiny Examples
- Show Me Shiny App Gallery
- Building Shiny apps - an interactive tutorial
- RStudio Reactivity Tutorial
- Plotly Shiny Gallery
- Persistent data storage
- RStudio Reactivity Overview
- RStudio Understanding Shiny Modules Webinar

Shiny User Showcase

The Shiny User Showcase contains an inspiring set of sophisticated apps developed and contributed by Shiny users.

Genome browser



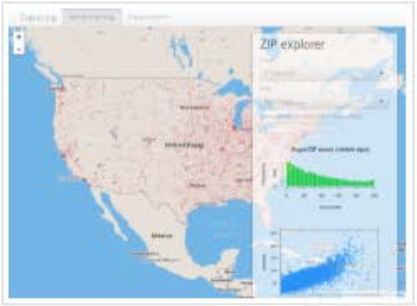
Papr

Lego Set Database Explorer

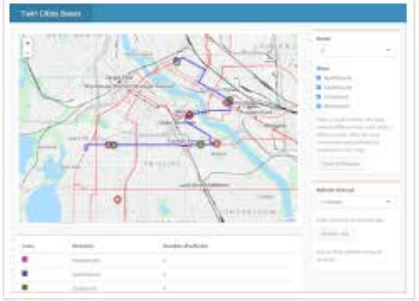
See more

Interactive visualizations

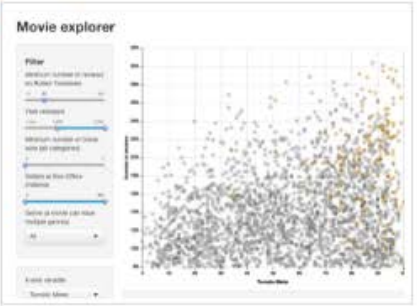
Shiny is designed for fully interactive visualization, using JavaScript libraries like d3, Leaflet, and Google Charts.



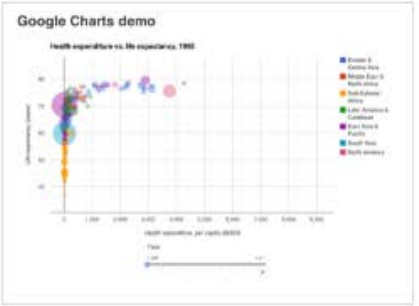
SuperZip example



Bus dashboard



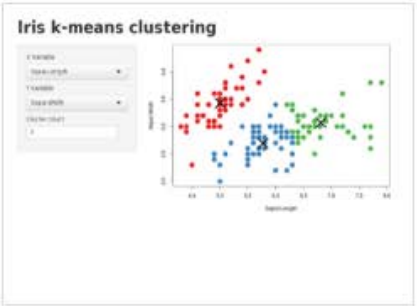
Movie explorer



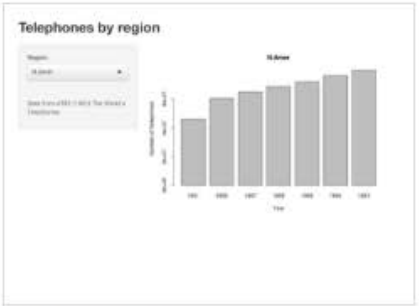
Google Charts

Start simple

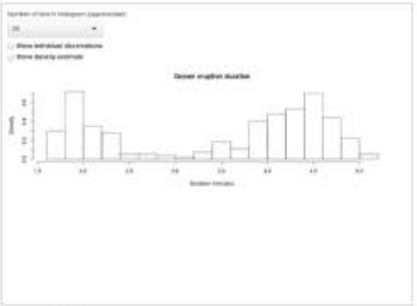
If you're new to Shiny, these simple but complete applications are designed for you to learn from.



Kmeans example



Telephones by region



Faithful

Word cloud