Our Journey with Shiny

Toulouse
July 12, 2019
Shiny & us

History & context

What?
Dashboard & reportings

When?
Developing applications since 2014

For whom?
Mostly for operatives / Marketing analyst
Shiny & us

History & context

When?
Developing applications since 2014

What?
Dashboard & reportings

For whom?
Mostly for operatives / Marketing analyst
shinyWidgets

Motivation

All our apps start to look the same

No more wow effect

Boring

New widgets controls
My first package was born thanks to Fanny for all her ideas and encouragement.

- March 2017: first release on CRAN
- March 2019: version 0.4.8 released

28 reverse dependencies
13 contributors (with a special thanks to David Granjon)
shinyWidgets

Examples

Select with «select all» button

Material Switch

Dropdown menu

Checkboxes & radios with colors, icons and animations

☑️ Check me!   ➡️ Check me!   🧶 Check me!   🟢 Check me!   🔵 Check me!
shinyWidgets

How it works

JavaScript libraries

CSS libraries

Shiny input bindings
Why
How users interact with our application?

What
Did they use widgets we put in the application?

How
Record all inputs that are changed (outputs and errors too)
Example

Number of connections per day

User agent family
Unique connections identified by user-agent X browser resolution
shinybusy

Motivation

**Why**
Give to users some feedback when something is running server-side

**What**
Add a global indicator into an application with one line of code

**How**
Make a GIF play and pause or add a progress bar
Example

Iris k-means clustering

X Variable
- Sepal.Length
- Sepal.Width
- Petal.Length
- Petal.Width
- Species

Launch looong calculation

CRAN 0.1.2
Motivation

Why
Secure single application

What
Administrator mode to manage who can access application

How
Use Shiny HTTP request and Shiny modules + encrypted credentials
Example

Please authenticate

Username:

Password:

LOGIN

Built with DATA STORM
## Users

**Example**

### Users Table

<table>
<thead>
<tr>
<th>User</th>
<th>Start</th>
<th>Expire</th>
<th>Admin</th>
<th>Comment</th>
<th>Applications</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="mailto:benoit.thieurmel@datastorm.fr">benoit.thieurmel@datastorm.fr</a></td>
<td></td>
<td></td>
<td>TRUE</td>
<td>alsace</td>
<td>app1,shiny-sqlite</td>
<td>14</td>
</tr>
<tr>
<td>victor</td>
<td>2019-12-31</td>
<td>TRUE</td>
<td></td>
<td>auvergne</td>
<td>app1</td>
<td>20</td>
</tr>
<tr>
<td>benoit</td>
<td>2019-12-31</td>
<td>FALSE</td>
<td></td>
<td>bretagne</td>
<td>shiny-sqlite</td>
<td>30</td>
</tr>
</tbody>
</table>

Showing 1 to 3 of 3 entries
Thanks 🌻

Stay in touch

Twitter: @dreamrs_fr

Our Shiny gallery: http://shinyapps.dreamrs.fr/

Website: https://www.dreamrs.fr/

GitHub: https://github.com/dreamRs