virtual7 | CONFERENCE 2019

RAPID PROTOTYPING DATA ANALYTICS (WEB) APPS WITH R/SHINY

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PROBLEM

You are a data scientist now doing ...

... algorithm, analytics, compliance/control, reporting, automation

SPECTACULAR

Nobody Cares

PROBLEM

WHY?

😮 no time 😮

🙀 no trust 🙀

😩 no availability 😩

😒 no explanation 😒

🙃 no workflow fit 🙃

😮 no orders 😮

PROBLEM
YOU HAVE TO DO BETTER

show value
build trust

You need a GUI. FAST!

with minimal amount of resources

SOLUTION
SHINY

Intro

- R based **server-client** application framework
- Server: **R**
- Client: **browser + HTML + Javascript**
- Communication: **Websockets**

Writing an app

- Server function
- UI function
- Widgets are automtically functions of reactive data

Productivity Boosters

- Reactivity
- Widgets
  - **D3.js** bindings
  - Highcharts bindings
  - Leavelet bindings
  -

Production Ready

- Tooling
  - Shiny server
  - Connect
  - Modules