

shinyjs

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github.com/daattali/shinyjs



June 30, 2016

- shinyjs is an extension to shiny
- Focuses on functions to improve user experience
- Learn and see examples: <http://bit.ly/shinyjs>

hide() , show() , toggle()

Find matching records in your data

1. Dataset selection

Upload either one dataset to be examined for internal record matches, or two dataset to compare for record matches.

Dataset 1
 No file chosen

Dataset 2 (optional)
 No file chosen

Tool is publicly available online at <http://daattali.com/shiny/epimatch/>



Find matching records in your data

1. Dataset selection

[+]

2. Variable for record matching

[-]

Dataset 1 variable(s) ?	Dataset 2 variable(s) ?	Variable type ?	Weight ?
<input type="text"/>	<input type="text"/>	<input type="text"/>	<div><div></div><div>0</div><div>1</div></div>
<div>+ Add another</div>			

3. Advanced options

[+]

4. Find matches

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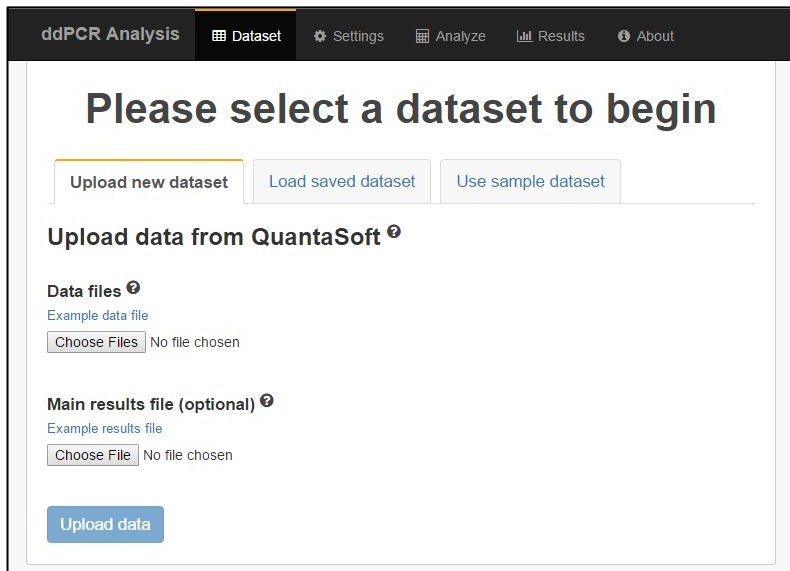
Dataset 1 variable(s) ?	Dataset 2 variable(s) ?	Variable type ?	Weight ?
<input type="text"/>	<input type="text"/>	<input type="text"/>	<div><div>0</div><div>1</div></div>
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disable(), enable(), toggleState()



ddPCR Analysis Dataset Settings Analyze Results About

Please select a dataset to begin

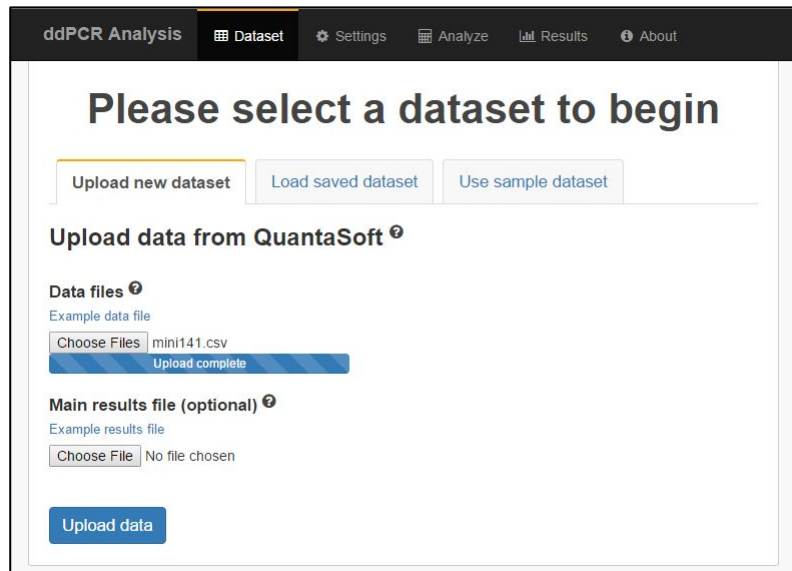
Upload new dataset Load saved dataset Use sample dataset

Upload data from QuantaSoft [?]

Data files [?]
Example data file
Choose Files No file chosen

Main results file (optional) [?]
Example results file
Choose File No file chosen

Upload data



ddPCR Analysis Dataset Settings Analyze Results About

Please select a dataset to begin

Upload new dataset Load saved dataset Use sample dataset

Upload data from QuantaSoft [?]

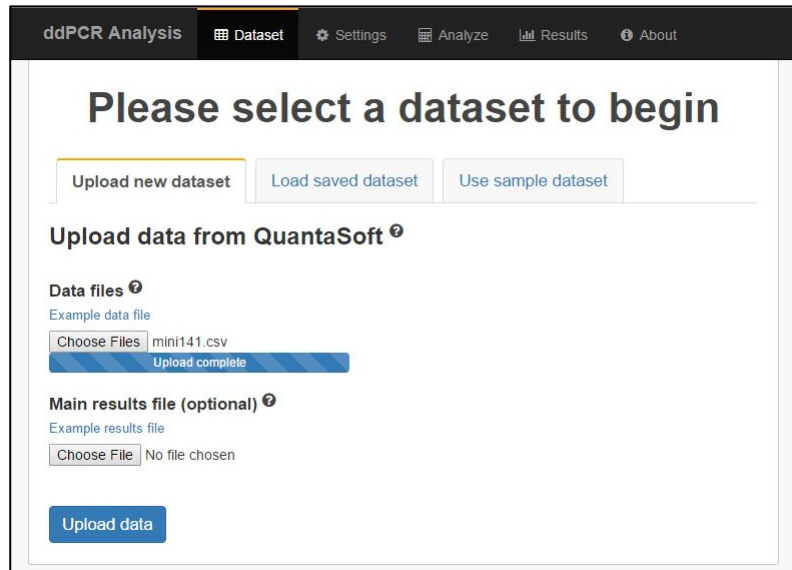
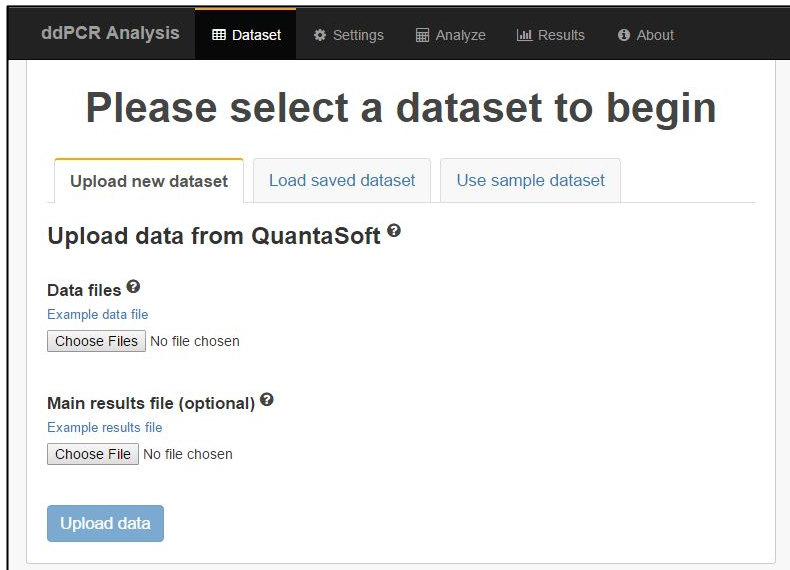
Data files [?]
Example data file
Choose Files mini141.csv
Upload complete

Main results file (optional) [?]
Example results file
Choose File No file chosen

Upload data

Full function list available in README @ <http://bit.ly/shinyjs>

disable(), enable(), toggleState()



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```
library(shiny)
library(shinyjs)

ui <- fluidPage(
  useShinyjs(),
  actionButton("btn", "Hide"),
  textInput("text", "Text")
)

server <- function(input, output) {
  observeEvent(input$btn, {
    hide("text")
  })
}

shinyApp(ui = ui, server = server)
```




```
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ui <- fluidPage(
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shinyApp(ui = ui, server = server)
```



- All functions implemented in **JavaScript** (**shinyjs**)
- You don't need to know **any** JavaScript
- *extendShinyjs()*: call JS functions as if they're R code
 - Example: *js\$funcname("a", arg2 = 5)*

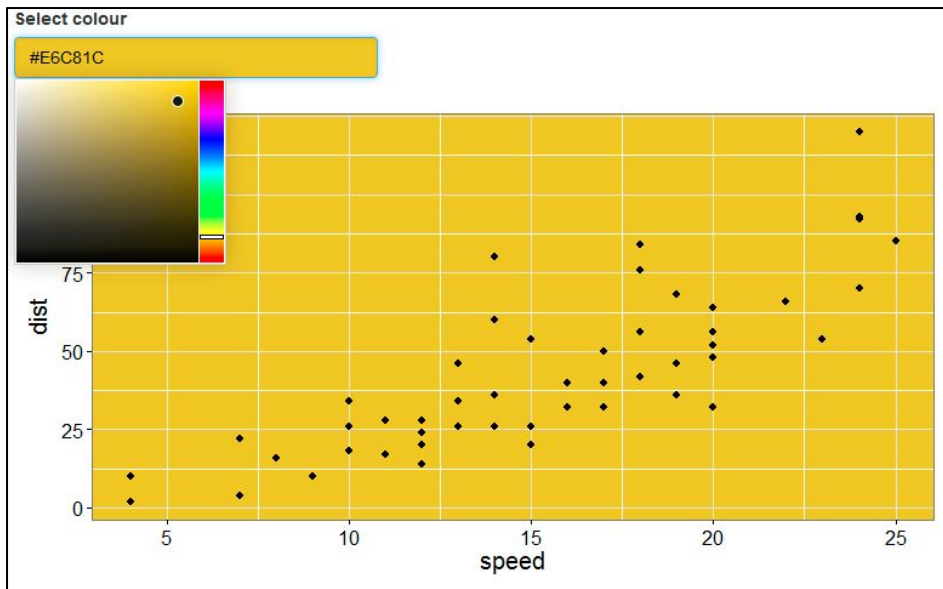


Custom function you define in JavaScript

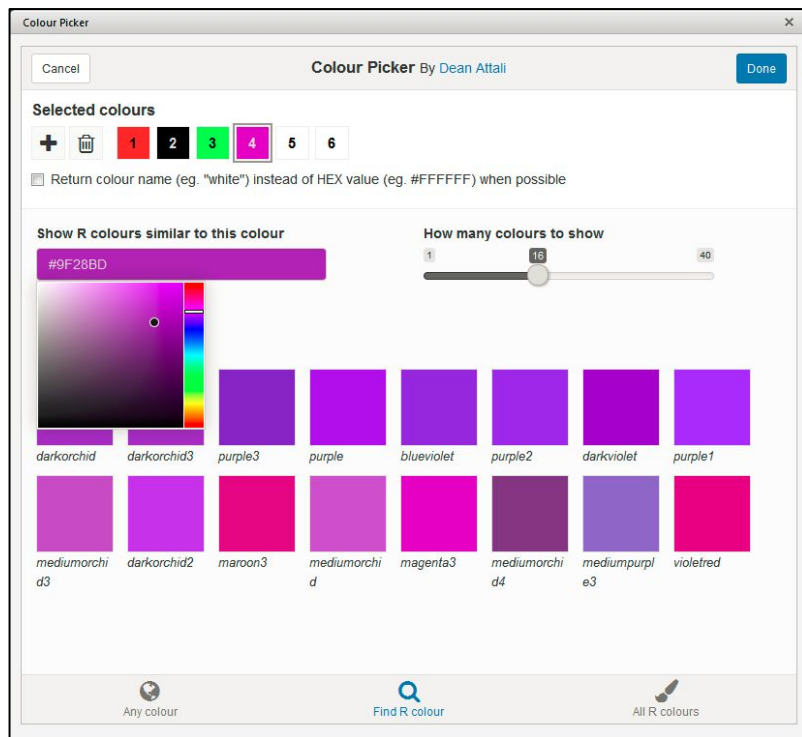
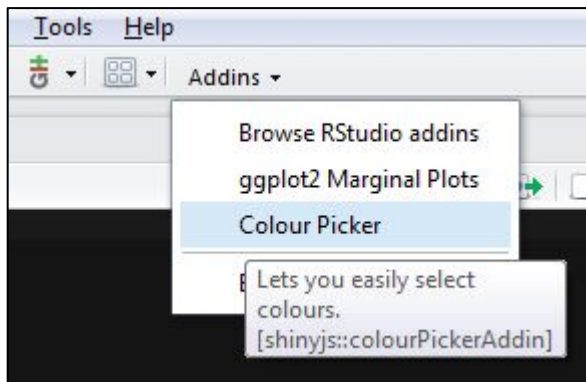
FAQ solved with *extendShinyjs()*

- How do I show/hide the *shinydashboard* sidebar programmatically?
- How do I hide/disable a tab?
- How do I refresh the page/close the tab?

- `colourInput(id, label, value, ...)`
- Input to select a colour, works like any native Shiny input
 - `updateColourInput()`



Colour picker - Lets you interactively choose a vector of colours

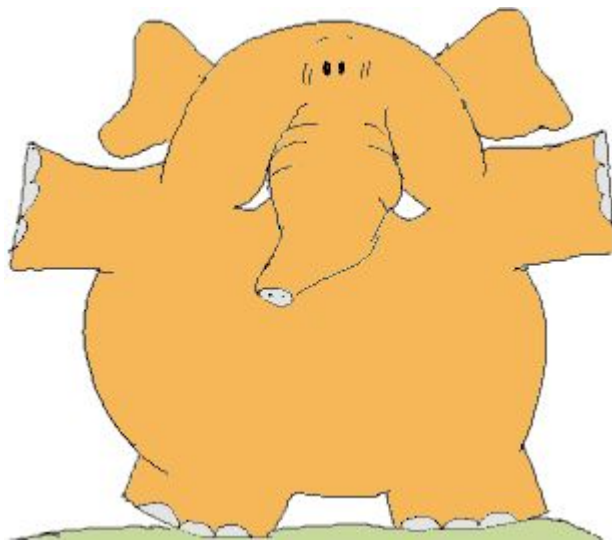


Feedback/suggestions always wanted!

<https://github.com/daattali/shinyjs/issues>

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BIG THANK YOU

RStudio (Joe Cheng!), Jenny Bryan, R community