



# An introduction to Shiny apps for health and demographic research

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## 1 Preliminaries

Shiny is an R package that helps building interactive web applications (apps) straight from R. Make sure to have installed [R](#) and [RStudio](#). We will need a set of packages in the workshop, you can install them opening an R session, connect to internet, and run

```
install.packages(c("shiny", "ggplot2", "plotly", "DT", "RColorBrewer", "rsconnect"))
```

A shiny app is a web page (UI) that is connected to a live R session (Server). One of the advantages is that there exists an easy way to share your apps. The easiest way is to host them in [shinyapps.io](#). If you want to be able to share your apps follow the next steps prior to the workshop:

1. Create a free account at [shinyapps.io](#)
2. From your profile you will need
  - name
  - token
  - secret
3. You can set your account information from RStudio running the next code

```
rsconnect::setAccountInfo(name='your name',  
                           token='your token',  
                           secret='your secret')
```

Following these steps will allow you to share your app with others (e.g. [Saudi Arabian health profile](#)).

All the materials for the workshop will be available [here](#) a couple of days prior to the workshop. Please download [MyShinyApp](#) folder a couple of days before the workshop. This folder will contain the basic files that we will need to start the workshop.

Feel free to contact me if you have any doubt.