

# Introduction to the NASA fireball data set

BUILDING DASHBOARDS WITH SHINYDASHBOARD

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# Data background



<sup>1</sup> <https://cneos.jpl.nasa.gov/fireballs/intro.html>

# Variables

- date <date>
- energy <numeric>
- impact\_e <numeric>
- lat <numeric>
- lat\_dir <character>
- lon <numeric>
- lon\_dir <character>
- alt <numeric>
- vel <numeric>

# **Let's practice!**

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# Dynamic refresher

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# Dynamic refresher

- `render*`()
- `*output()`

# Leaflet

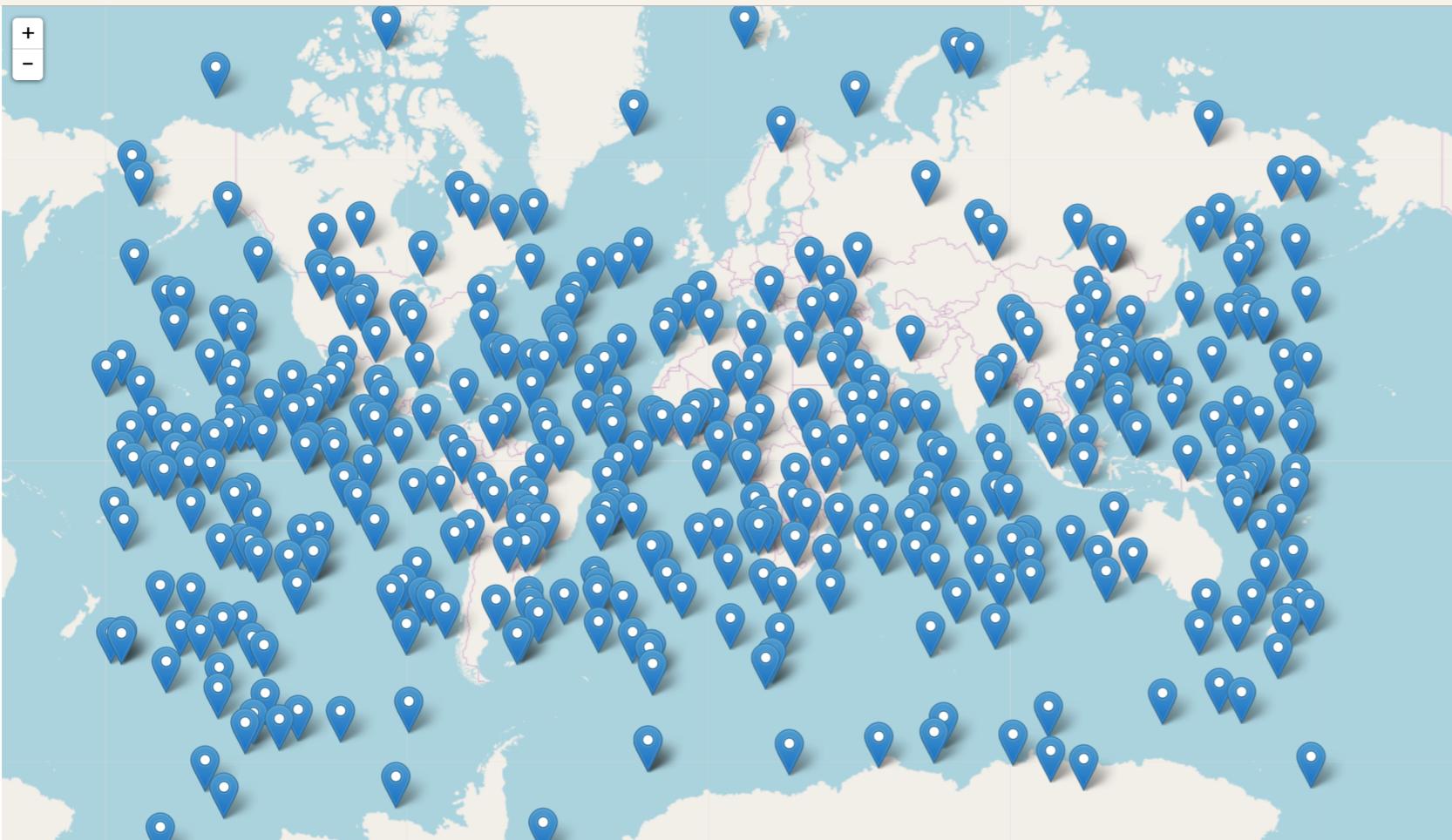
- <http://www.htmlwidgets.org>
- renderLeaflet()
- leafletOutput()

# Leaflet

```
library("leaflet")  
leaflet() %>%  
  addTiles()
```



```
library("leaflet")
leaflet() %>%
  addTiles() %>%
  addMarkers(
    lng = nasa_fireball$lon,
    lat = nasa_fireball$lat
  )
```



# **Now you do it!**

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# Thank you!

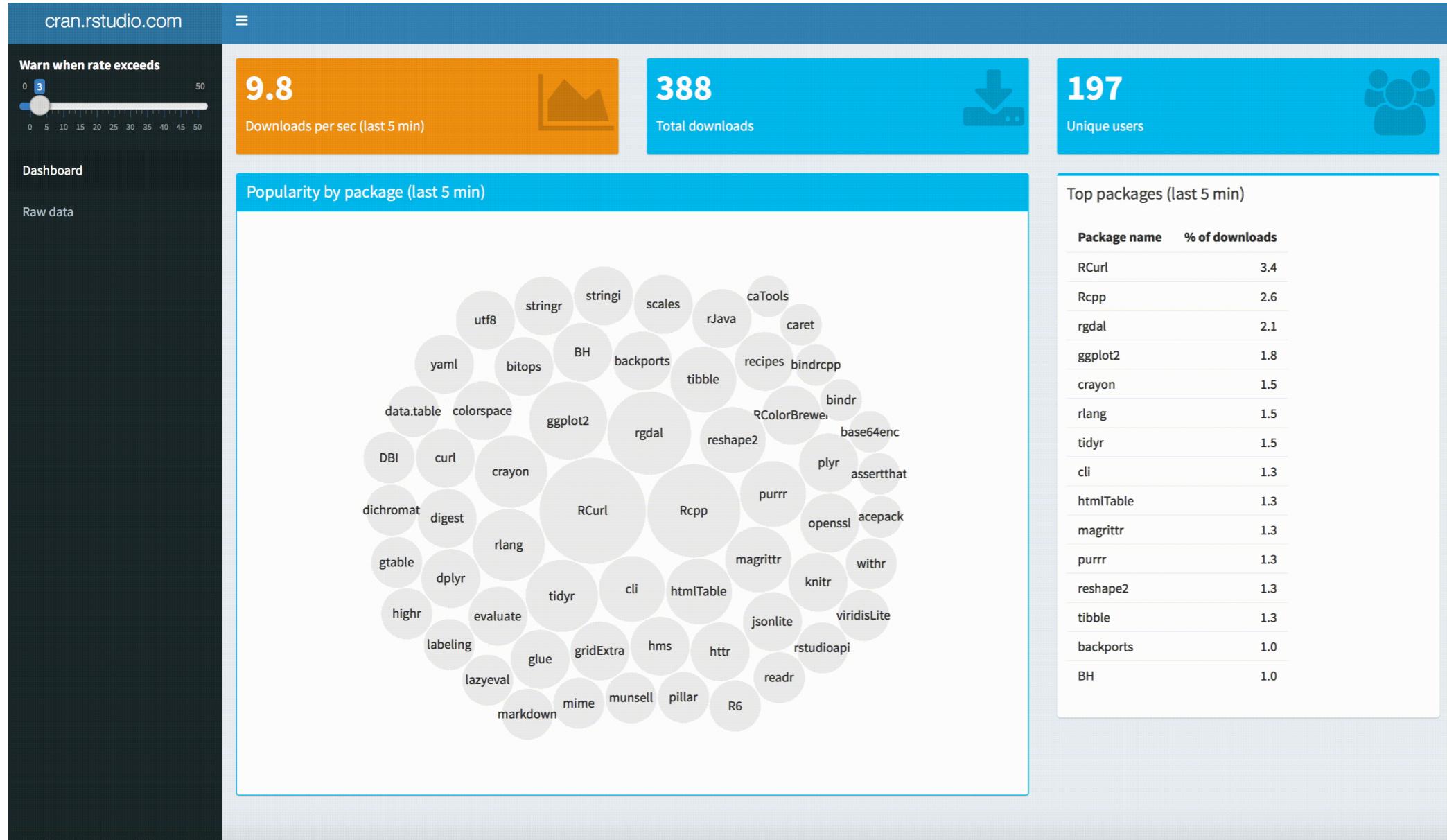
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# Cool shinydashboards



<https://rstudio.github.io/shinydashboard/examples.html>

# More resources

- Winston Chang and Joe Cheng *Building Dashboards with Shiny Tutorial*  
<https://www.rstudio.com/resources/videos/building-dashboards-with-shiny-tutorial/>
- Winston Chang *Dynamic Dashboards with Shiny*  
<https://www.rstudio.com/resources/webinars/dynamic-dashboards-with-shiny/>
- The Docs!

# Thank you!

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