



BUILDING DASHBOARDS WITH SHINYDASHBOARD

Introduction to the NASA fireball data set

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Data background



<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>



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Let's practice!



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Dynamic refresher

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Dynamic refresher

- `render*`()
- `*Output()`

Leaflet

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

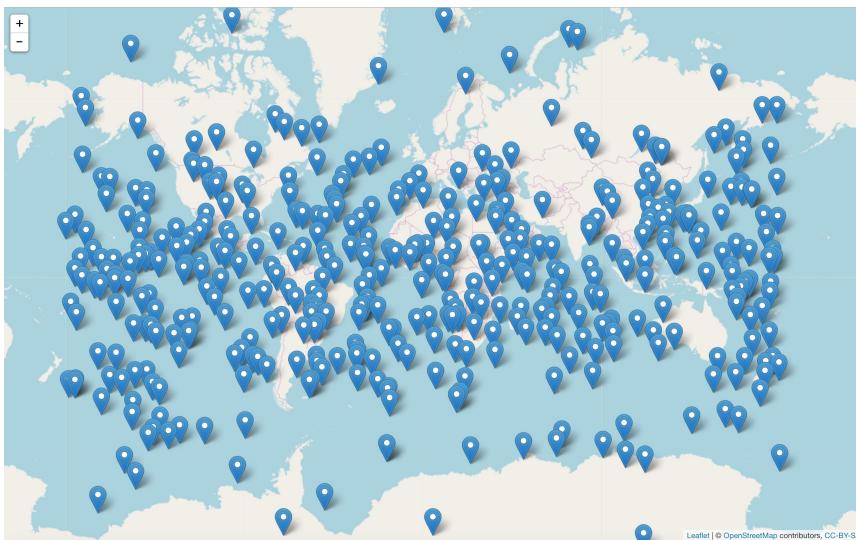
Leaflet

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



Leaflet

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





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Now you do it!



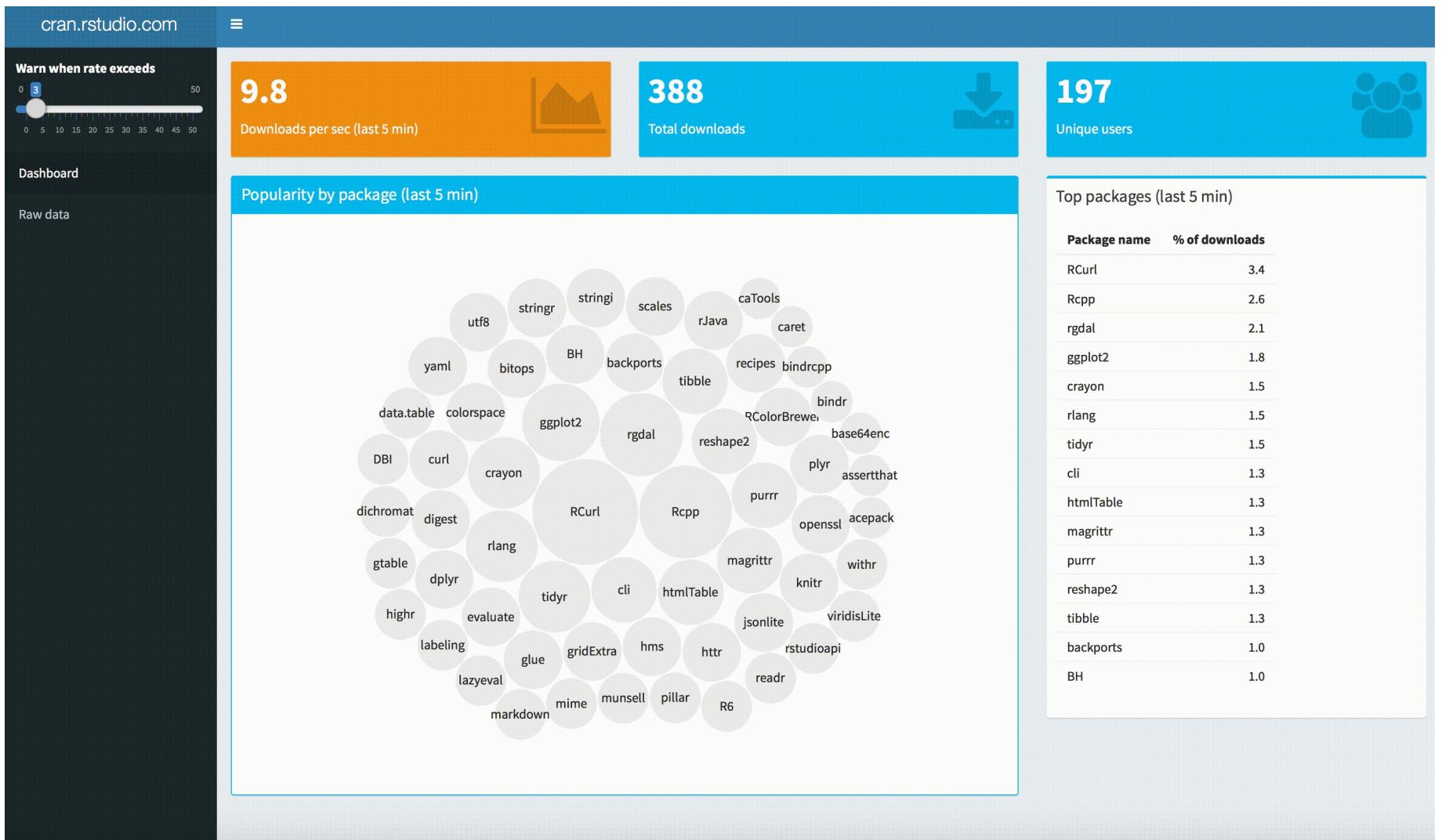
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Thank you!

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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!



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Thank you!