

Some R Resources for MSACL Panel

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https://spatial.ly/wp-content/uploads/2012/06/flights_sml-1024x418.jpg

Visualizations

- htmlwidgets: https://www.htmlwidgets.org/showcase_threejs.html
- BBC R Cookbook: <https://bbc.github.io/rcookbook/>
- [ggpacman](https://github.com/ggpacman)
<https://rviews.rstudio.com/2020/06/24/may-2020-top-40-new-cran-packages/ggpacman.gif>
- [iNZightTS](https://github.com/iNZightTS)
<https://rviews.rstudio.com/2020/06/24/may-2020-top-40-new-cran-packages/iNZightTS.gif>
- [textplot](https://github.com/textplot)
<https://rviews.rstudio.com/2020/05/28/april-2020-top-40-new-cran-packages/textplot.gif>
- [RViews Post](https://github.com/RMosaic) <https://rviews.rstudio.com/2020/02/13/photo-mosaics-in-r/RMosaic.jpg>
- Large Data Visualizations with Trelliscope
<http://hafen.github.io/trelliscopejs-demo/gapminder/>

Shiny Apps from RStudio Shiny Gallery

- https://rpubs.com/tonynick/covid_bar_chart_race_1
- <https://shiny.rstudio.com/gallery/teach-physiology.html>
- <https://shiny.rstudio.com/gallery/covid19-tracker.html>
- <https://shiny.rstudio.com/gallery/hospital-data-antimicrobial.html>

Books for Learning R

Base R and Tidyverse

- [Modern Statistics for Modern Biology](#) Susan Holmes and Wolfgang Huber
- [Practical R for Mass Communication and Journalism](#) Sharon Machlis

Base R Only

- [The Art of R Programming](#) Norman Matloff

Tidyverse Only

- [R for Data Science](#) Garrett Grolemund and Hadley Wickham

Spectrometry R Packages

Spectrometry Packages

Code ▾

A simple search to find Spectrometry Related R Packages

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```
library(tidyverse)
library(pkgsearch)
```

`pkg_search()` will find packages that match the character string and return a page rank like score

Hide

```
MS <- as_tibble(pkg_search(query="Spectrometry",size=400))
dim(MS)
```

```
[1] 43 14
```

Hide

```
MS %>% select(score, package, title)
```

score	package	
<dbl>	<chr>	
1478.77380	MALDIquant	
1349.21520	OrgMassSpecR	
1305.34910	readMzXmlData	
1273.92380	enviPat	
1217.13300	enviPick	
1170.65210	MSbox	
1061.50420	RAMClustR	
1004.22170	titan	
996.78040	iq	
935.60360	protViz	