Some R Resources for MSACL Panel

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Visualizations

- htmlwidgets: https://www.htmlwidgets.org/showcase_threejs.html
- BBC R Cookbook: https://bbc.github.io/rcookbook/
- ggpacman
  https://rviews.rstudio.com/2020/06/24/may-2020-top-40-new-cran-packages/ggpacman.gif
- iNZightTS
  https://rviews.rstudio.com/2020/06/24/may-2020-top-40-new-cran-packages/iNZightTS.gif
- textplot
  https://rviews.rstudio.com/2020/05/28/april-2020-top-40-new-cran-packages/textplot.gif
- RViews Post 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
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

```
library(tidyverse)
library(pkgsearch)

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

MS <- as_tibble(pkg_search(query = "Spectrometry", size = 100))
dim(MS)

[1] 43 14

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

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<thead>
<tr>
<th>score</th>
<th>package</th>
</tr>
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<tbody>
<tr>
<td>1478.77380</td>
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<td>996.78040</td>
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<td>protVis</td>
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