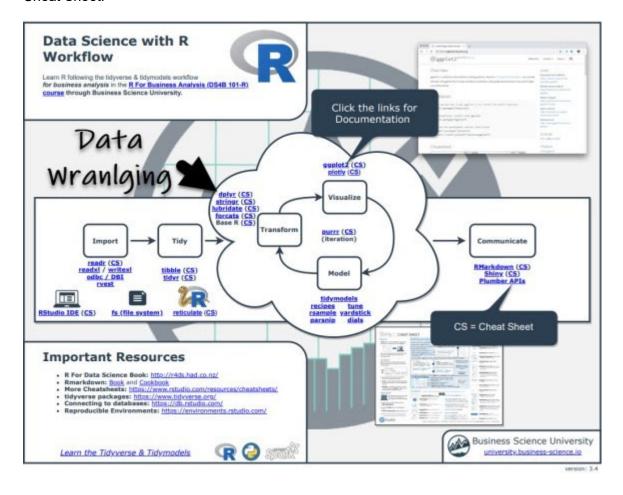
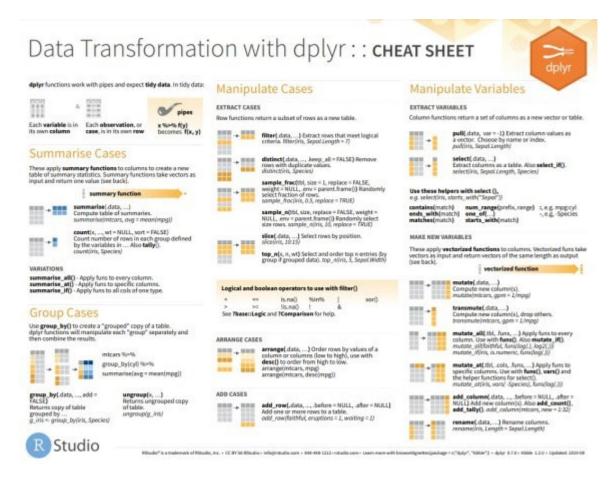
Before we get started, get the Cheat Sheet

Datapasta is great for importing raw data from HTML tables on the web. But, you'll still need to learn how to transform / wrangle the data and produce visualizations. For those topics, I'll use the Ultimate R Cheat Sheet to refer to dplyr and ggplot2 code in my workflow.

Quick example – Clicking the "CS" next to "dplyr" opens the Data Transformation with Dplyr Cheat Sheet.

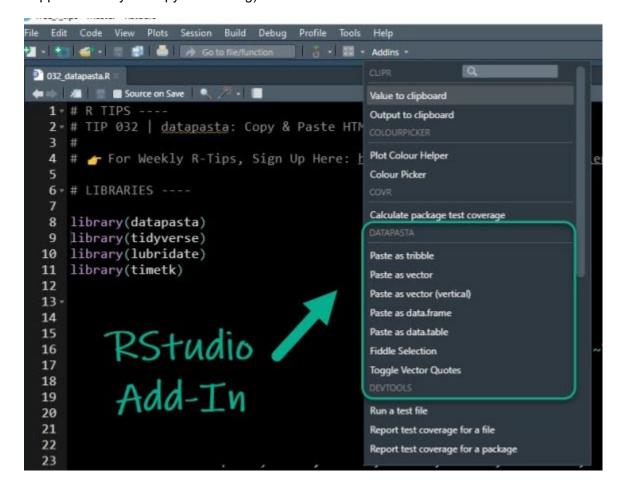


Now you're ready to quickly reference dplyr functions. Ok, onto the tutorial.



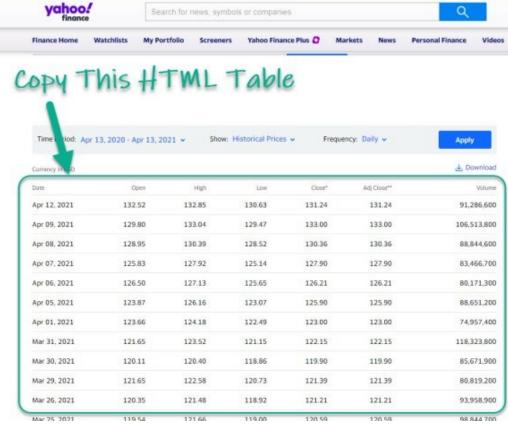
Datapasta RStudio Addin

Datapasta contains an RStudio Add-In for Pasting web-tables stored in your "clipboard" (what happens when you "copy" something).



Example 1: Copying Stock Data from Yahoo! Finance

Let's go through a quick example. We can navigate to Yahoo! Finance and search for a ticker symbol like AAPL.

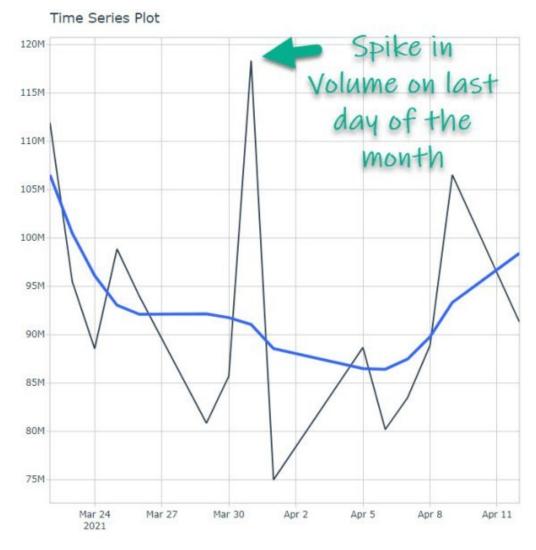


Source: Yahoo! Finance

Next, use the Datapasta Addin to "paste as tribble". This pastes our data into our R script file.

```
tibble::tribble(
         ~Date,
                                    ~Low,
                  ~Open,
                          ~High,
                                            Close*`, ~`Adj.Close**`,
                                                                           ~Volume,
                                              131.24,
"Apr 12, 2021", 132.52, 132.85, 130.63,
                                                                          91286600,
"Apr 09, 2021",
                 129.8, 133.04, 129.47,
                                                 133,
                                                                  133,
                                                                         106513800,
"Apr 08, 2021", 128.95, 130.39, 128.52,
                                                               130.36,
                                              130.36,
                                                                          88844600,
                                                               127.9,
"Apr 07, 2021", 125.83, 127.92, 125.14,
                                                                          83466700,
                                              127.9,
                                              126.21,
'Apr 06,
         2021'
                 126.5, 127.13, 125.65,
                                                               126.21,
                                                                          80171300,
         2021
                 123.87, 126.16, 123.07,
                                               125.9,
                                                                          88651200,
         2021
         2021
                121.65, 123.52,
                                              122.15,
                                                                         118323800,
     31.
         2021"
               , 120.11,
     30.
"Mar 29, 2021"
                                                                          80819200,
                 121.65, 122.58, 120.73,
"Mar 26, 2021", 120.35, 121.48,
"Mar 25, 2021", 119.54, 121.66,
                                                                          98844700,
                                              120.59,
"Mar 24, 2021", 122.82,
                         122.9, 120.07,
                                              120.09,
                                                               120.09,
                                                                          88530500,
"Mar 23, 2021", 123.33, 124.24, 122.14,
                                              122.54,
                                                                          95467100,
                                                               122.54,
                                                               123.39,
 'Mar 22, 2021", 120.33, 123.87, 120.26,
                                              123.39,
                                                                         111912300
```

Next, use dplyr and timetk to wrangle and visualize the data. (Refer to the ultimate R cheat sheet for documentation on dplyr and timetk). We can see a spike in volume on last day of the month.



Code available in our Free R-Tips Github Repository

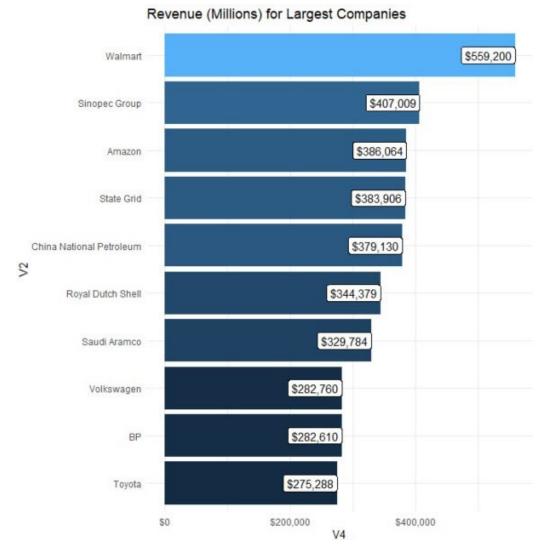
Example 2: Getting Revenue Data for World Largest Companies From Wikipedia

First, head over to Wikipedia and search for the "list of largest companies".



Source: Wikipedia

Use **datapasta** to "paste as data.table". Then do some data wrangling with **dplyr**. Then visualize with **ggplot2**. And in a few lines of code you can create this chart showing that Walmart is dominating in Revenue. (Refer to the ultimate R cheat sheet for documentation on dplyr and ggplot2).



Code available in our Free R-Tips Github Repository

In Summary

You just quickly scraped HTML tables using the copy-and-paster Rstudio Add-In known as **datapasta**. This is an amazing productivity boost!!