Mock Data Viz Markdown file

Prasann Ranade

04/19/2023

# Test Markdown Document to display visual alongside script

## Read in data

df <- si\_path() %>%   
 return\_latest("FY48-49") %>%   
 read\_csv()

## ℹ Latest file in 'Data' matching 'FY48-49': 'FY48-49\_MilkyWay\_Cascade\_data (1).csv'  
## Rows: 96 Columns: 10  
## ── Column specification ────────────────────────────────────────────────────────  
## Delimiter: ","  
## chr (5): planet, region, indicator, indicator\_description, disaggregate  
## dbl (5): fiscal\_year, qtr1, qtr2, qtr3, qtr4  
##   
## ℹ Use `spec()` to retrieve the full column specification for this data.  
## ℹ Specify the column types or set `show\_col\_types = FALSE` to quiet this message.

get\_metadata()

## ℹ Latest file in 'Data' matching 'OU\_IM\_FY21': 'MER\_Structured\_Datasets\_OU\_IM\_FY21-23\_20230210\_v1\_1.txt'  
## ℹ metadata is now stored as a global object and metadata items can be accessed via `metadata$...`

## Filter data

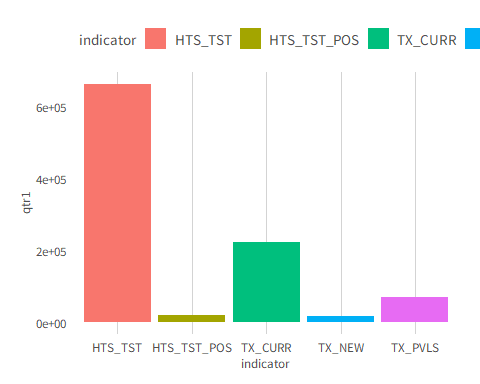
df\_tx <- df %>%  
 filter(planet == "Saturn",  
 disaggregate == "Total Numerator") %>%   
 group\_by(planet, region, indicator, fiscal\_year) %>%   
 summarise(across(c("qtr1","qtr2","qtr3","qtr4"), sum, na.rm = TRUE)) %>%  
 ungroup()

## Warning: There was 1 warning in `summarise()`.  
## ℹ In argument: `across(c("qtr1", "qtr2", "qtr3", "qtr4"), sum, na.rm = TRUE)`.  
## ℹ In group 1: `planet = "Saturn"`, `region = "Dione"`, `indicator = "HTS\_TST"`,  
## `fiscal\_year = 2048`.  
## Caused by warning:  
## ! The `...` argument of `across()` is deprecated as of dplyr 1.1.0.  
## Supply arguments directly to `.fns` through an anonymous function instead.  
##   
## # Previously  
## across(a:b, mean, na.rm = TRUE)  
##   
## # Now  
## across(a:b, \(x) mean(x, na.rm = TRUE))

## `summarise()` has grouped output by 'planet', 'region', 'indicator'. You can  
## override using the `.groups` argument.

## Visualize data

df\_viz <- ggplot(df\_tx) +  
 geom\_col(data = df\_tx, aes(x = indicator, y = qtr1, fill = indicator)) +  
 geom\_col(data = df\_tx, aes(x = indicator, y = qtr2, fill = indicator)) +  
 si\_style\_xgrid()  
  
plot(df\_viz)



#save plot  
si\_save("Images/md\_plot.png")  
#si\_save("Graphics/md\_plot.svg")

This is a description of the plot as a sample write-up in markdown.