Colortable

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2/16/2020

```
{{colortable}}
                       Examples of {{colortable}} in action!
                      library(colortable)
                      library(tidyverse)
                      library(knitr)
                      cell sample <- color vctr(24, text color = "red", background
                       cell_sample2 <- color_vctr(42, background = "yellow")</pre>
                       cell_sample3 <- color_vctr(68, text_color = "magenta", style="font-size: style-text-approximate;" style-text-approximate; style-text-appro
                       cell_sample4 <- color_vctr(70, text_color = "green")</pre>
                      cell_sample
                      ## [1] 24
                      cell_sample2
                      ## [1] 42
```

Vectors

```
vect sample <- color vctr(cell sample, cell sample2, cell s</pre>
vect sample
## [1] 24 42 68 70
vect_sample2 <- vect_sample</pre>
vect sample2[5] <- 422
vect_sample2[20] <- color_vctr(98119, text_color = "yellow")</pre>
vect_sample2[6:7] \leftarrow c(21,23)
vect_sample2[10:12] <- color_vctr(cell_sample, cell_sample)</pre>
vect sample2
    [1]
                42
                          68 70 422
                                             21
                                                   23
##
NA NA
       24 42
                      68
## [13] NA NA NA NA NA NA NA 98119
```

Data.frames~

data.frame(idx = 1:5, z = vect_sample[1:5])

idx	Z
1	24
2	42
3	68
4	70
5	NA

idx z
1 2
2 4

Use Cases

The ability to update coloring within the table allows for visualizing the results before printing and rendering.

One use case could be trying to print out p-values and drawing attention to the significant pvalues.

Normally, the course of action would be to manually add either the latex or html required to tag the outputs. This requires both knowing how to tag the significant pvalues with the correct latex/html code and also hard codes those results into your code.

```
## Super Great analysis of mtcars!
lm_fit <- lm(mpg ~ ., mtcars)
a_lm_fit <- anova(lm_fit)
df_anova <- data.frame(a_lm_fit)
# if the output is pdf</pre>
```

Use Cases

disp

hp drat

{{colortable}} can resolve this and make your code much easier to understand, and you can add additional styling just as easily. There is also the added benefit that even though we have styling on the cells, the underlying object type still exists and can be modified and

```
edited as needed.
```

<pre>tbl_anova\$PrF. <- set_styling(tbl_anova\$PrF. , tbl_anova\$PrF. tbl anova</pre>					< 0.05,
	Dt	Sum.Sq	Mean.Sq	F.value	PrF.
cyl	1	817.7129524	817.7129524	116.42454564	5.034450

37.5939529

9.3709293

16.4674349

5.35256153

1.33421658

2.34460470

11 02006060

3.091083

2.610310

1.4064386

2044400

37.5939529

9.3709293

16.4674349

tbl_anova <- data.frame(a_lm_fit)	
<pre>tbl_anova\$PrF. <- set_styling(tbl_anova\$PrF. , tbl_anova\$PrF.</pre>	< 0.05,
tbl_anova	