

# Collaborative working with Google Docs with R: introducing `roogledocs`.

Dr. Robert Challen, University of Bristol.

## Abstract

This demonstration document uses a template to make some points about the diamonds dataset. The average cost of diamonds was  $3932.8 \pm 3989.4$ . That is all we have to say.

## Background

Collaboration with google docs is easy. Importing the results of analysis from R is now possible thanks to `roogledocs`. This is great.

## Methods

Typically the methods section would not contain figures or tabular materials. We are using the diamonds data set from `ggplot`.

## Results

The diamonds data set has some interesting characteristics as shown in Table 1. Table captions and cross references are not the job of `roogledocs`, which can be done with `Articul8`. Likewise references are out of scope but possible with `Zotero`, or `Paperpile`, amongst others.

Table 1: this table was updated on 29/04/2022. It shows a description of the `ggplot::diamonds` data set (or at least it will when populated).

cut	colorCat	Size (mean + sd)	Cost (mean + sd)
Fair	D-G	$0.93 \pm 0.43$	$3997 \pm 3312$
	G-J	$1.24 \pm 0.58$	$4972 \pm 3873$
Good	D-G	$0.78 \pm 0.39$	$3620 \pm 3380$
	G-J	$1.00 \pm 0.54$	$4610 \pm 4194$
Very Good	D-G	$0.72 \pm 0.39$	$3587 \pm 3666$
	G-J	$1.00 \pm 0.54$	$4873 \pm 4358$
Premium	D-G	$0.79 \pm 0.44$	$4060 \pm 4044$
	G-J	$1.11 \pm 0.59$	$5633 \pm 4732$
Ideal	D-G	$0.63 \pm 0.36$	$3151 \pm 3562$
	G-J	$0.88 \pm 0.53$	$4233 \pm 4273$

In figure 1, we demonstrate that the cost varies by size. average cost of diamonds being  $3932.8 \pm 3989.4$ . This is the same number as in the abstract.

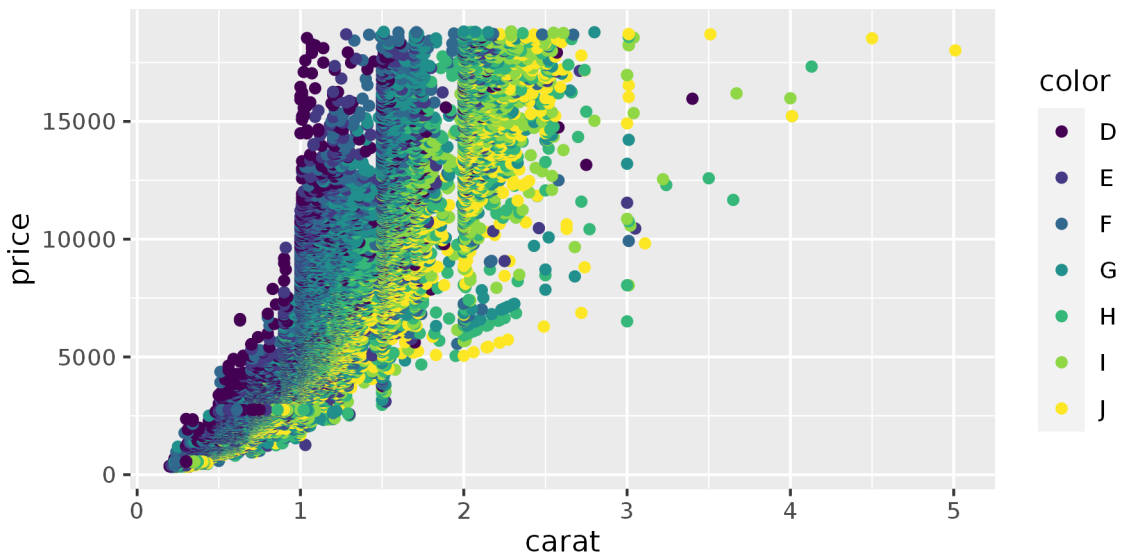


Figure 1 - some info about what figure 1 shows

I don't have much to say about figure 2.

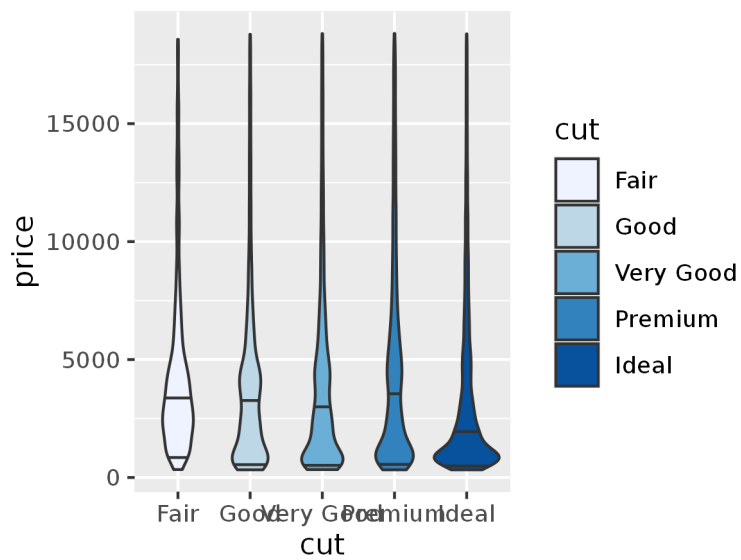


Figure 2 - This is another fascinating plot.

## Discussion

This is all there is to it. Don't forget to cite us using: `citation("roogledocs")`

## References

- Challen R (2022). R wrapper for Googledocs java library. R package version 0.01.  
 Challen R (2020). R6 generator maven plugin. Maven plugin

## Adding new content

[Roogledocs](#) is also able to add text at the end of the document with complex formatting. Supporting fonts and font face formatting such as **bold**, *italic* and underlined amongst other things.