Quarto

A demo of `Quarto`.

```r
source("database.R")
```

Currently we have a data frame with 6516 rows.

We can do some R function.

```r
library(dplyr)
dat |>
    summarise(
        min_carat = min(carat),
        max_carat = max(carat)
        ) |>
    knitr::kable()
```

min_carat	max_carat
0.22	5.01

We can also do some Python function.

```python
import pandas
from IPython.display import Markdown
from tabulate import tabulate
res = r.dat.agg(min_carat=('carat', min), max_carat=('carat', max))
Markdown(tabulate(res))
```

min_carat	0.22
max_carat	5.01

Needless to say, we can do some *beautiful* plot.

```
library(ggplot2)
dat |>
    ggplot(aes(carat, price, col = color)) +
    geom_point(alpha = 0.7) +
    scale_y_continuous(labels = scales::dollar) +
    scale_color_brewer(palette = "Dark2") +
    theme_light() +
    theme(legend.position = "top") +
    labs(x = "Carat", y = "Price", col = "Color")
```