Quarto

Quarto

Quarto POSIT(RStudio) R Python Julia Observable
JS markdown markdown (.qmd)
Jupyter (.ipynb) **HTML MS Word LaTeX**
PDF ePub

Quarto Pandoc

Python R Julia Observable

markdown Jupyter

HTML PDF MS Word ePub

markdown

CSDN

quarto

quarto -

R Quarto

Quarto ” ” literate programming

HTML Word PDF

today,now,last-modified date-format: full,long,medium,short,iso

djhcod-Github

```
library(quarto)
quarto_render('Quarto .qmd',output_format="pdf")
```

YAML

format

html

- toc:true
- toc-depth:3 3
- number-sections:true

pdf

Quarto

- revealjs:
- pptx: MS Power Point
- beamer: LaTeX Beamer

  (frame)

```
knitr::clean_cache()
```

- eval: true false ; `fenced` "#|" Figure 2
- **echo: true false ;**
- output: true, false asis ;
- fig-show: false
- message, warning: true false ;
- error: true false
- include: true false,

html

- freeze true auto false
- **code-fold: HTML**

Value	Behavior
false	No folding (default)
true	Fold code (initially hidden)
show	Fold code (initially shown)

- code-tools: HTML
- code-link: HTML downlit

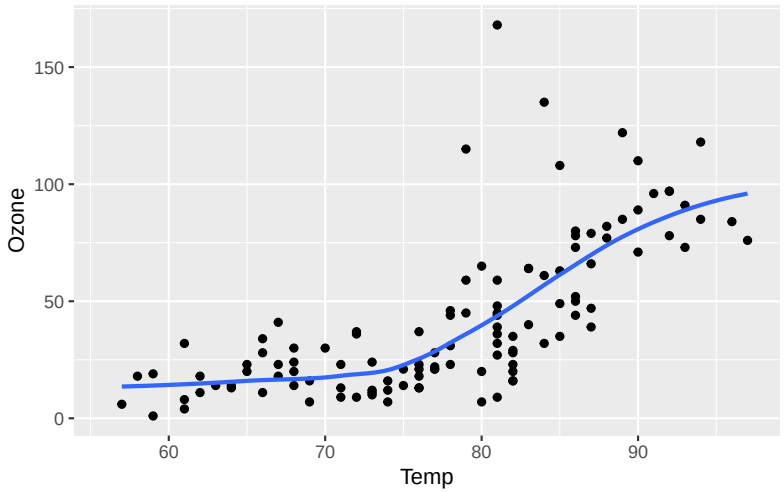


Figure 1: Air Quality

echo=FALSE

eval=FALSE

```
print("Hello World!")
```

include=FALSE

echo=TRUE

```
print(a)
```

```
[1] 6
```

collapse=TRUE

```
print(a)
## [1] 6
print("Hello World!")
## [1] "Hello World!"
```

prompt=TRUE ">"

```
> print(a)
## [1] 6
> print("Hello World!")
## [1] "Hello World!"
```

comment=" " "#"

```
> print(a)
[1] 6
> print("Hello World!")
[1] "Hello World!"
```

- label:
- fig-cap:
- fig-width, fig-height:
- fig-asp fig-asp: 0.75 fig-width fig-asp
- out-width: out-width: 80% fig-align: center out-width: 45% fig-align: default
- fig-format: png PDF pdf PNG
- fig-alt:

Figure 2

```{r   }
#| label: fig-test
#| fig-cap: "   "
#| out-width: 80%
plot(1:5,1:5)
```

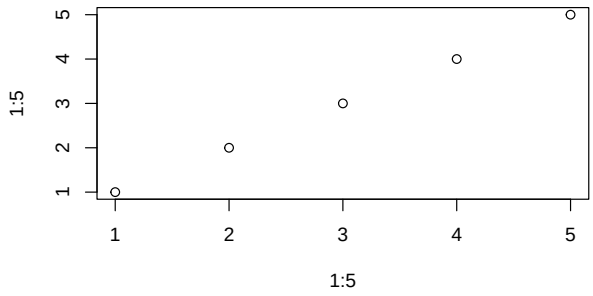


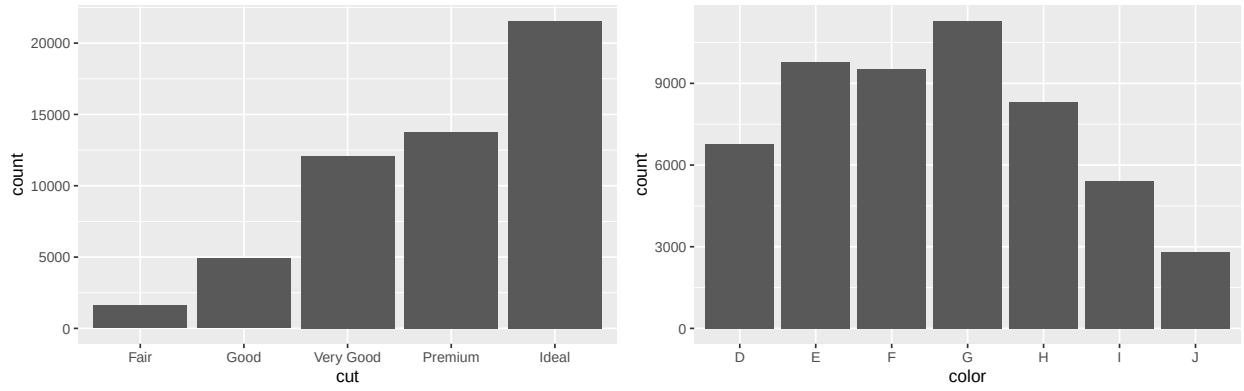
Figure 2:

```{r}
#| label: fig-test2
#| output: false
library(ggplot2)
ggplot(diamonds,aes(x=price))+
  geom_histogram()
```

Figure 3a Figure 3b

```
library(ggplot2)
ggplot(diamonds,aes(x=cut))+
  geom_bar(stat = "count")

ggplot(diamonds,aes(x=color))+
  geom_bar(stat = "count")
```



(a) (b)

Figure 3:

,Table 2

```
knitr::kable(iris[1:6,])
```

Table 2:

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa

$\frac{1}{2}$

$$\frac{1}{2}$$

```
toc: true
toc-depth: 3
toc-location: left
```

Callout Blocks

Note

Note that there are five types of callouts, including: `note`, `warning`, `important`, `tip`, and `caution`.

Tip with Title

This is an example of a callout with a title.

Expand To Learn About Collapse

This is an example of a 'folded' caution callout that can be expanded by the user. You can use `collapse="true"` to collapse it by default or `collapse="false"` to make a

collapsible callout that is expanded by default.

Tip with Title

This is a callout with a title.

This content can be styled with a border