

## 1 Equations Label & Cross-Reference

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# Bookdown HTML Article - Cross-Reference

## 1 Equations Label & Cross-Reference

### 1.1 Single Equation

- Unlabeled equation

$$\int_a^b f(x)dx = \frac{F(x)}{\frac{\binom{n}{n}}{\binom{k}{k}}}\bigg|_a^b = F(b) - F(a)$$

- Labeled equation

$$\text{cov}(\epsilon_s, \epsilon_t) = \begin{cases} \text{amp}; \sigma^2 & \text{if } s = t \\ \text{amp}; 0 & \text{else} \end{cases} \quad (1.1)$$

- See equation (1.1) above.

### 1.2 Block of Equations

- Labeled system of equations

$$\left(\sum_{i=1}^n i\right)^2 = \left(\frac{n(n-1)}{2}\right)^2 = \frac{n^2(n-1)^2}{4} \quad (1.2)$$

$$\frac{\partial f}{\partial x}(x=3) = y^2$$

$$y = \frac{(x - \mu)}{(max - min)}$$

- See system of equations (1.2) above.

## 2 Tables Caption & Cross-Reference

### 2.1 kable() Table

Bookdown default table caption only works with `kable()`

See table 2.1

```
knitr::kable(iris[1:5, ], caption = 'A caption', longtable=TRUE)
```

Table 2.1: A caption

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
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa

### 2.2 Custom Tables

See Table 2.2.

Table 2.2: Your table caption.

Sepal.Length	Sepal.Width	Petal.Length
5.1	3.5	1.4
5.2	3.6	1.5

## 3 Figures Caption & Cross-Reference

### 3.1 Plot

See figure 3.1

```
plot(cars)
```

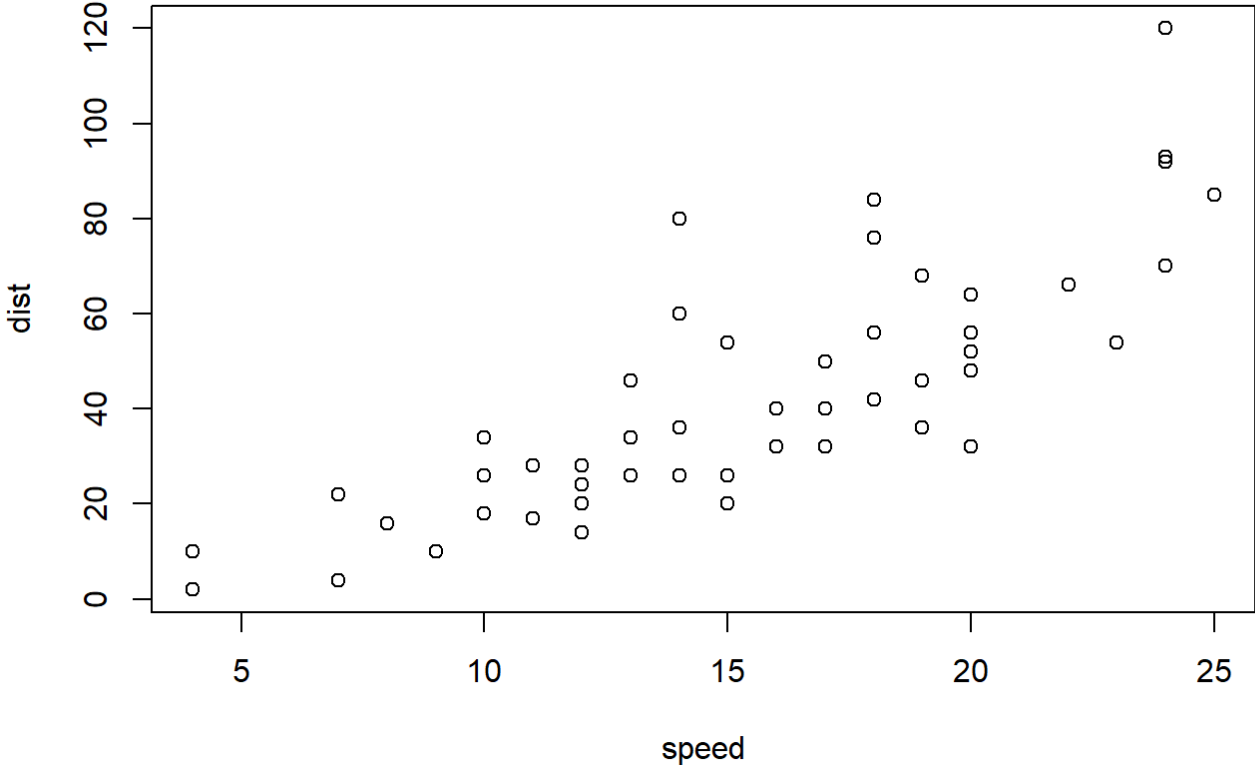


Figure 3.1: Title of the plot

### 3.2 Image

See figure 3.2

```
knitr::include_graphics("www/myfigure1.png")
```

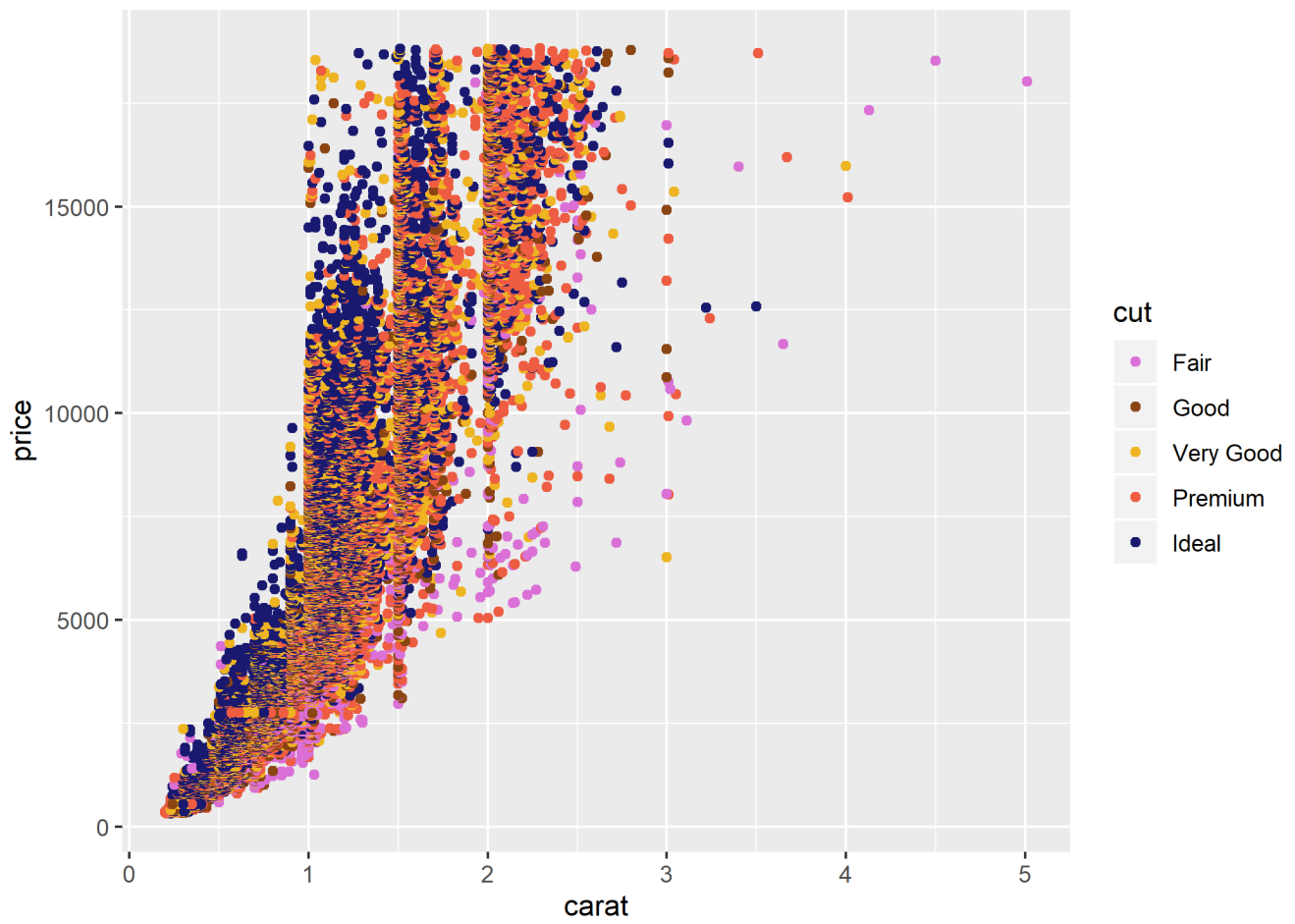


Figure 3.2: Title of the plot