



小結

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向量

```
seasons <- c("Spring", "Summer", "Autumn", "Winter")
```

```
logicals <- c(TRUE, FALSE)
```

```
nums <- c(24, 34)
```

向量: `seq()` 函數

`seq(from = 1, to = 9)`

`1:9`

`seq(from = 1, to = 9, by = 2)`

向量:rep() 函數

```
rep(7, times = 8)
```

向量:索引值選擇

```
seasons <- c("Spring", "Summer", "Autumn", "Winter")
```

```
seasons[1]
```

```
seasons[1:3]
```

```
seasons[c(1, 3, 4)]
```

向量:條件式選擇

- Conditional statement

```
seasons <- c("Spring", "Summer", "Autumn", "Winter")  
seasons[seasons == "Summer"]
```

```
my_seq <- 1:10  
my_seq[my_seq > 5]  
my_seq[my_seq < 4 | my_seq > 7]
```

因素向量:無順序性

```
rgb_vec <- c("red", "green", "blue", "green", "red")  
rgb_fac <- factor(rgb_vec)  
class(rgb_fac)  
rgb_fac
```

因素向量:有順序性

```
temperature <- c("hot", "warm", "cold")
```

```
temp_fac <- factor(temperature, ordered = TRUE, levels = c("cold", "warm", "hot"))
```

```
class(temp_fac)
```

```
temp_fac
```