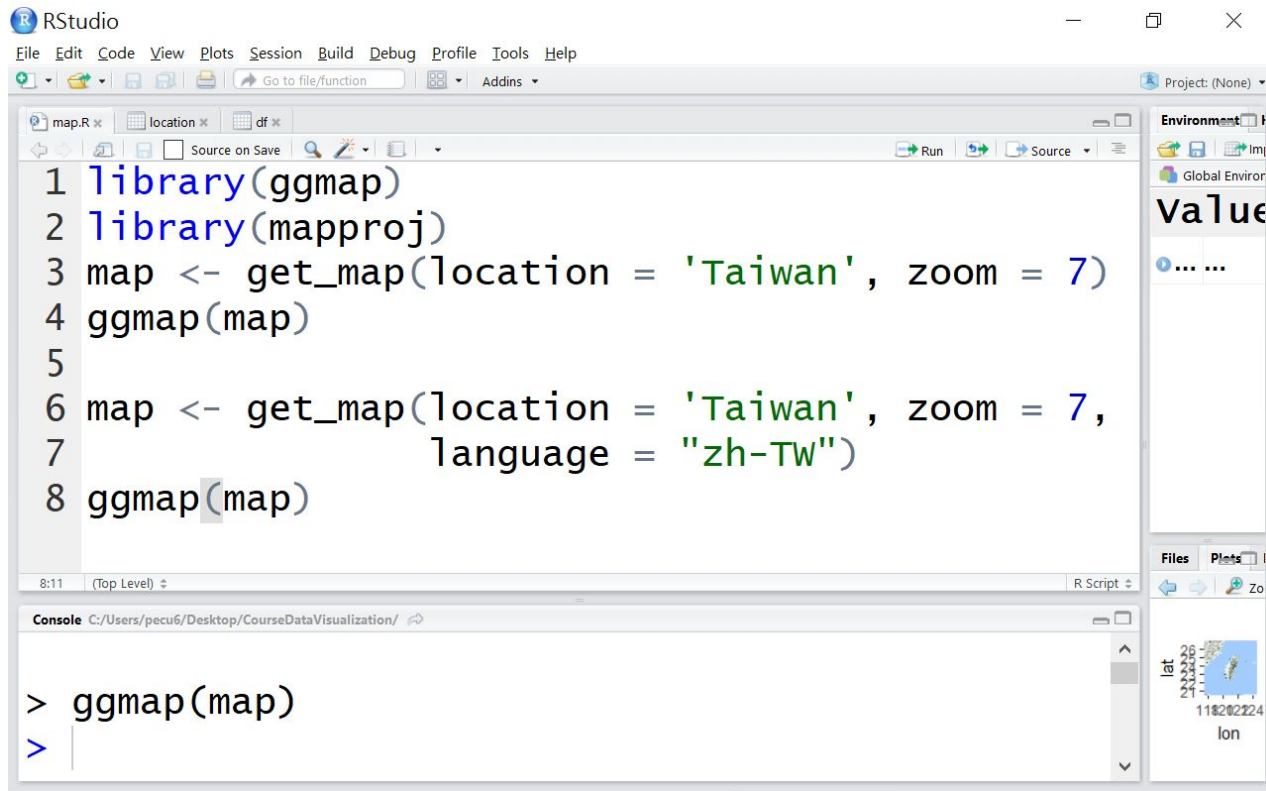


# 空間資料視覺化

# ggmap

1. 專門用來繪製地圖的 R 套件
2. 可自動從 Google 地圖上下載指定位置的地
3. 使用 ggplot 的語法結合地圖與資料進行繪製

# 繪製基本地圖



The screenshot displays the RStudio interface. The main editor window contains the following R code:

```
1 library(ggmap)
2 library(mapproj)
3 map <- get_map(location = 'Taiwan', zoom = 7)
4 ggmap(map)
5
6 map <- get_map(location = 'Taiwan', zoom = 7,
7               language = "zh-TW")
8 ggmap(map)
```

The console at the bottom shows the execution of the final command:

```
> ggmap(map)
>
```

On the right side, the 'Plots' pane shows a small map of Taiwan with a coordinate grid. The x-axis is labeled 'lon' and the y-axis is labeled 'lat'. The map is centered on Taiwan, with a zoom level of 7.

