

410977007 盧佩君

## 檔案架構

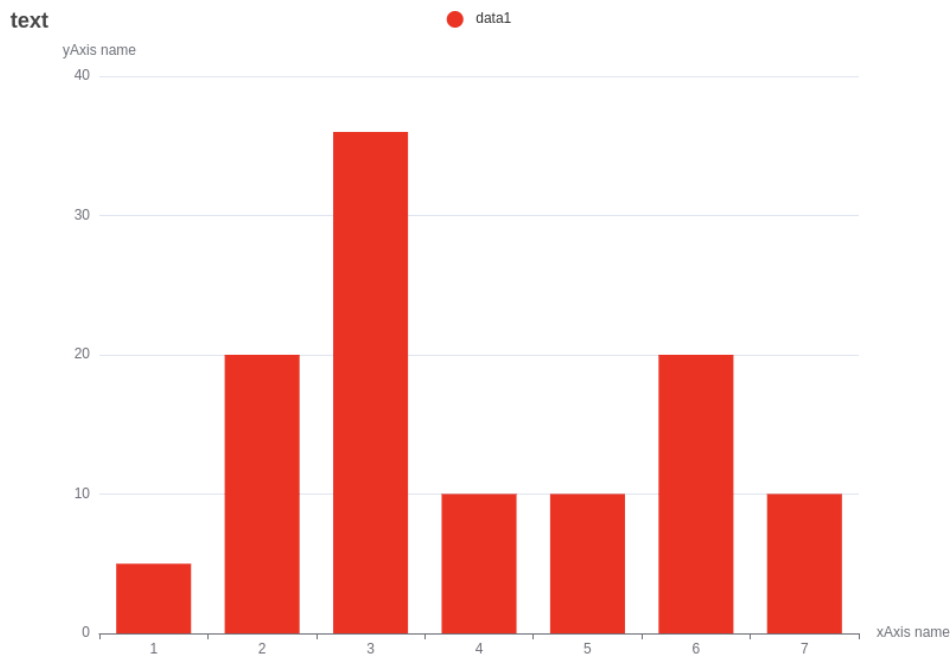
```
410977007 盧佩君
├── ajax
│   ├── api_ex.html
│   ├── ex1.html
│   ├── ex2.html
│   └── ex3.html
├── async_await_promise
│   └── async_await_promise.html
├── echart
│   ├── combine_chart.html
│   ├── histogram.html
│   ├── histogram_test.html
│   ├── line_chart.html
│   ├── line_chart_test.html
│   ├── pie.html
│   ├── pie_test.html
│   ├── testA.html
│   └── testB.html
├── echart_advanced
│   ├── p47.html
│   ├── p49_echart_test.html
│   └── show_api_data_by_click_button.html
├── geojson
│   ├── echart_tw_map.html
│   └── TW.json
├── PM25_map
│   ├── PM25_Data.json
│   ├── pm25_map.html
│   └── TW.json
└── 7 directories, 22 files
```

## 簡報名稱:echarts介紹.pdf

[\[ 簡報頁數 \]](#) p.31 - 柱狀圖

[\[ 程式碼檔案位置 \]](#) : 410977007盧佩君/echart/histogram.html

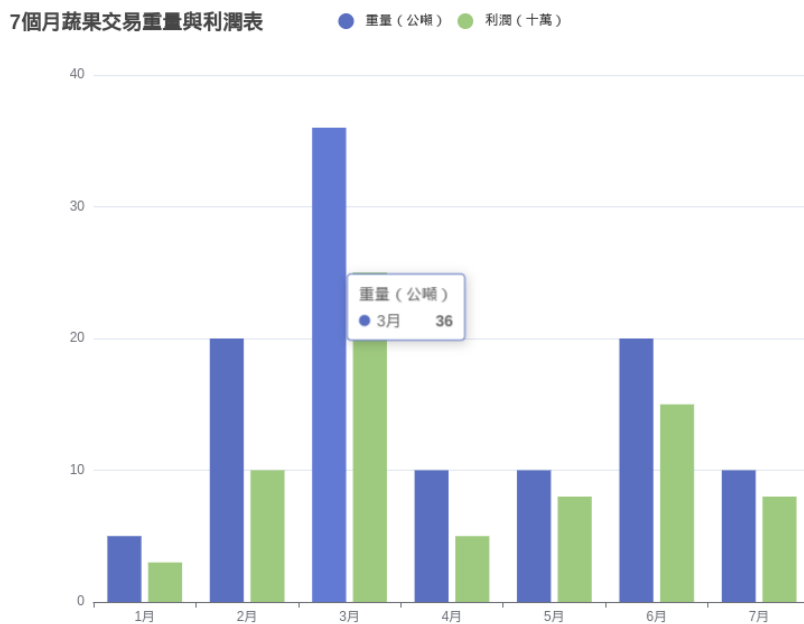
[\[ 執行結果 \]](#) :



[\[ 簡報頁數 \]](#) p.34 - 柱狀圖 - 小測驗

[\[ 程式碼檔案位置 \]](#) : 410977007盧佩君/echart/histogram\_test.html

[\[ 執行結果 \]](#) :



**[ 簡報頁數 ]** p.38 - 折線圖

**[ 程式碼檔案位置 ]** : 410977007盧佩君/echart/line\_chart.html

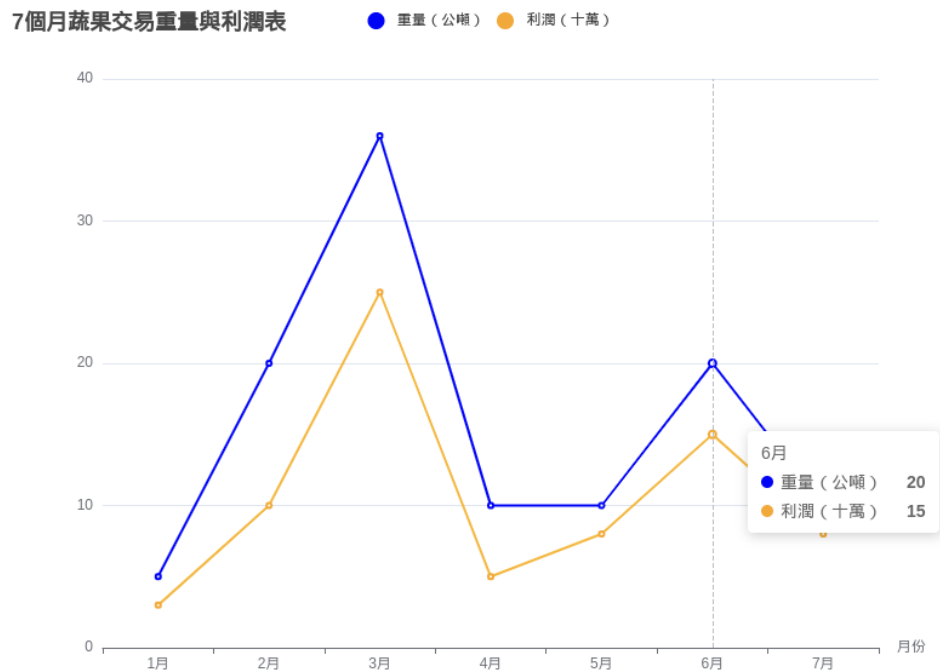
**[ 執行結果 ]** :



**[ 簡報頁數 ]** p.41 - 折線圖 - 小測驗

**[ 程式碼檔案位置 ]** : 410977007盧佩君/echart/line\_chart\_test.html

**[ 執行結果 ]** :

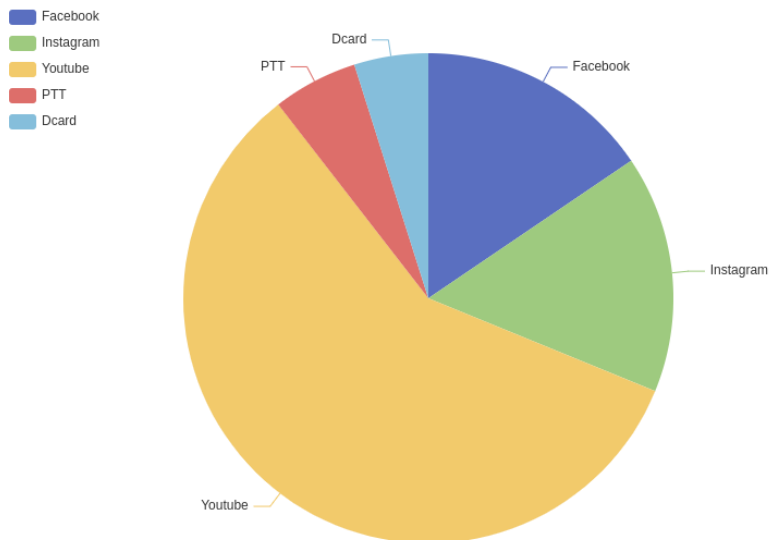


[ 簡報頁數 ] p.46 - 圓餅圖

[ 程式碼檔案位置 ] : 410977007盧佩君/echart/pie.html

[ 執行結果 ] :

某訊息得知管道調查

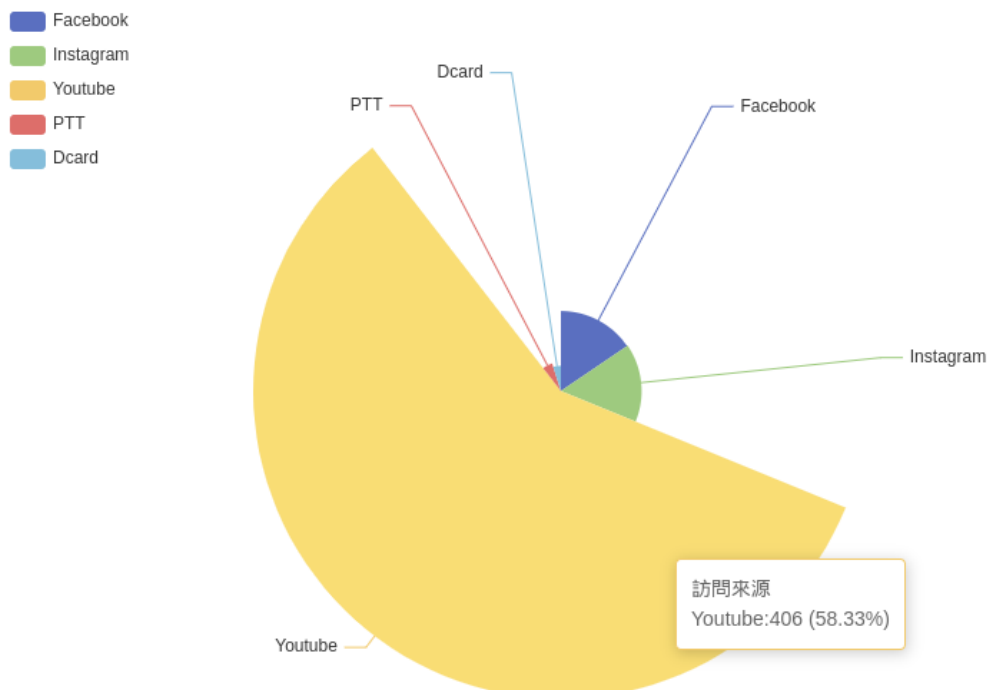


[ 簡報頁數 ] p.49 - 圓餅圖 - 小測驗

[ 程式碼檔案位置 ] : 410977007盧佩君/echart/pie\_test.html

[ 執行結果 ] :

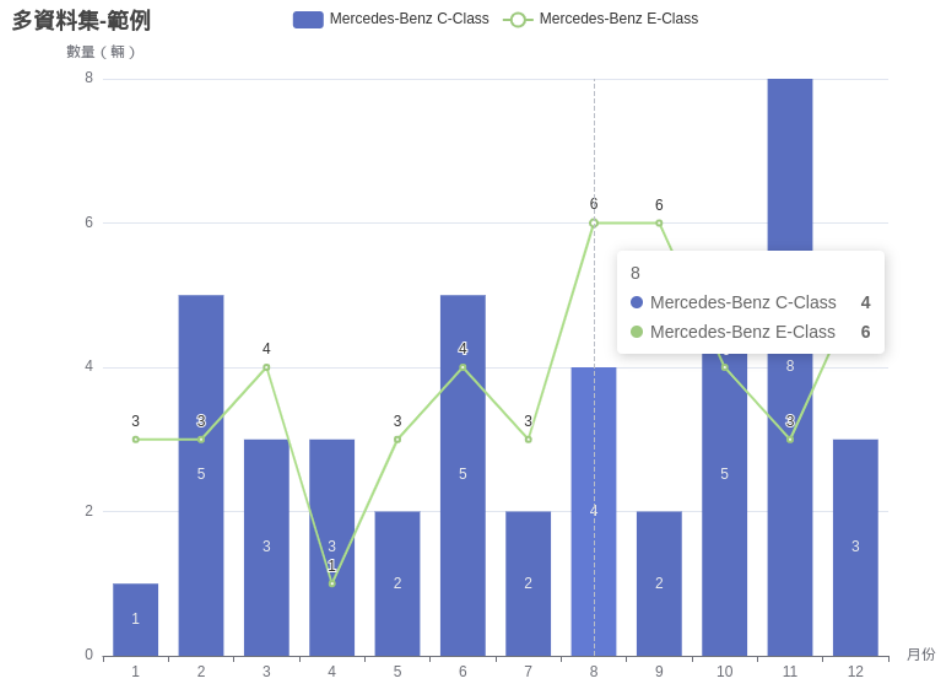
某訊息得知管道調查



[ 簡報頁數 ] p.51 - 圖表結合

[ 程式碼檔案位置 ] : 410977007盧佩君/echart/combine\_chart.html

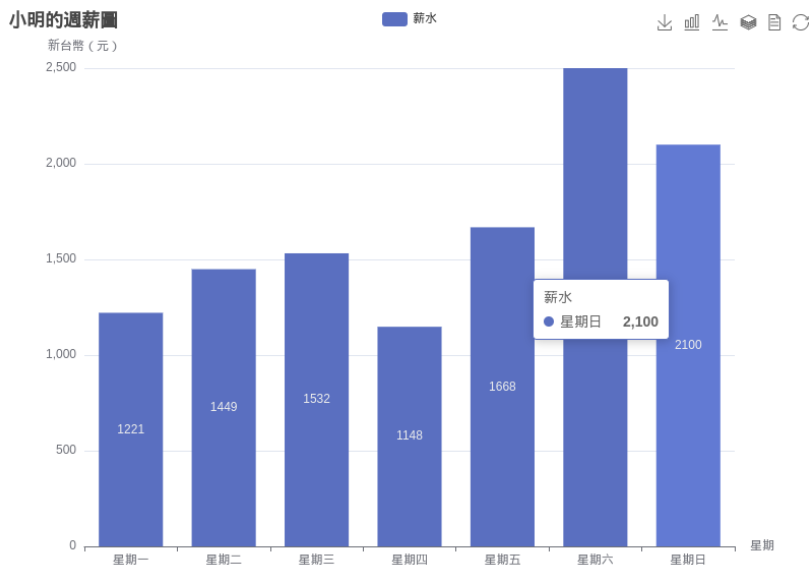
[ 執行結果 ] :

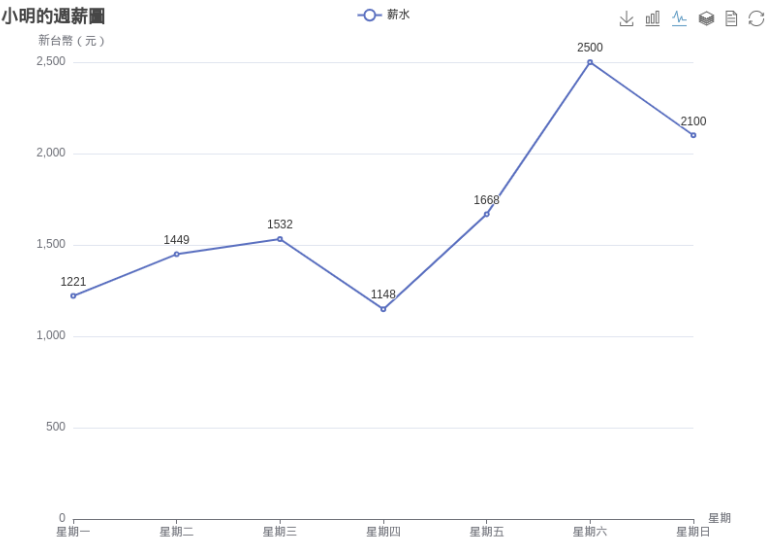


[ 簡報頁數 ] p.56 - 小測驗 - 測驗 A

[ 程式碼檔案位置 ] : 410977007盧佩君/echart/testA.html

[ 執行結果 ] :





數據檢視

薪水	
星期一	1221
星期二	1449
星期三	1532
星期四	1148
星期五	1668
星期六	2500
星期日	2100

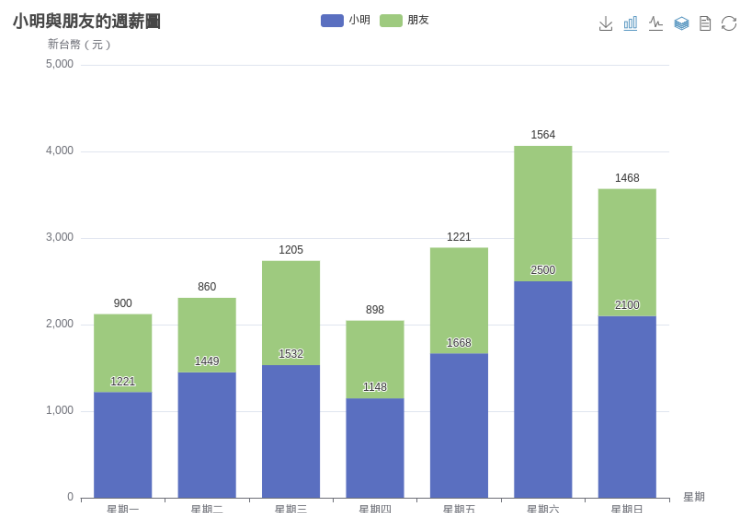
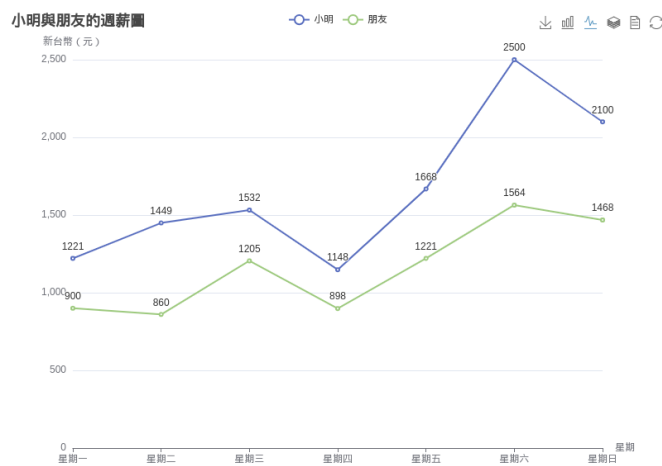
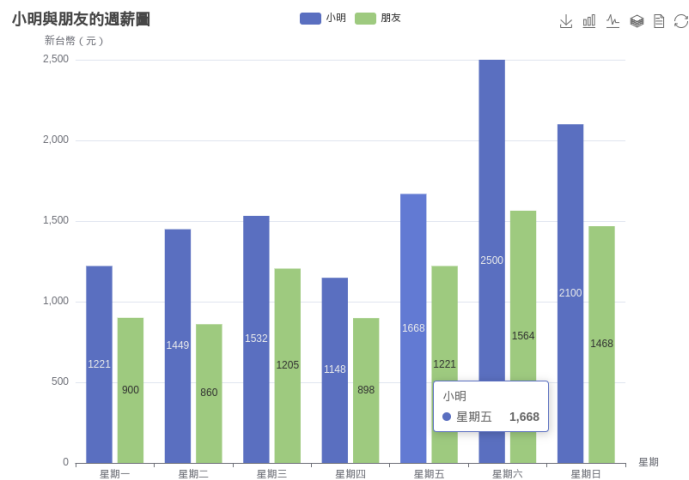
關閉

更新

[ 簡報頁數 ] p.57 - 小測驗 - 測驗 B

[ 程式碼檔案位置 ] : 410977007盧佩君/echart/testB.html

[ 執行結果 ] :

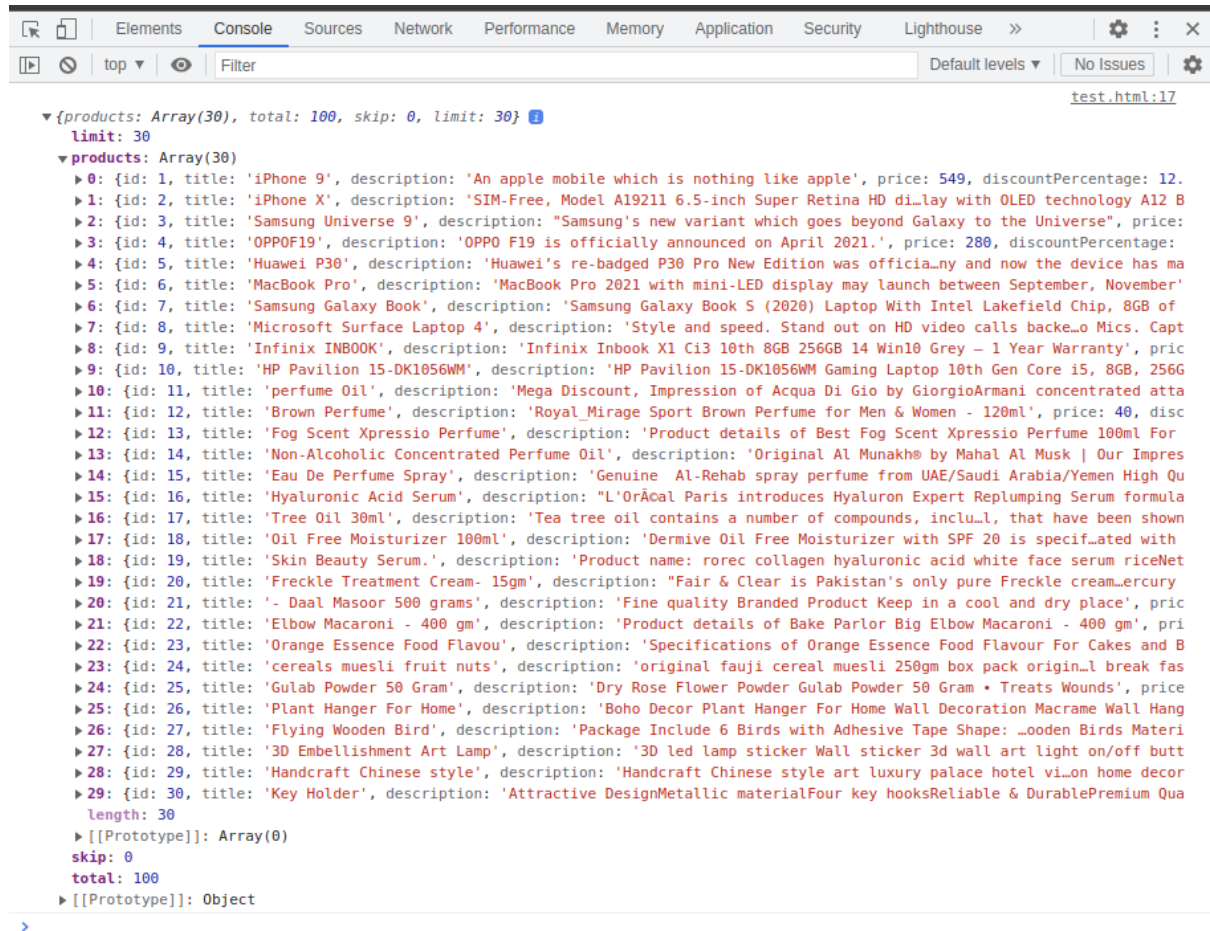


# 簡報名稱: Echart進階.pdf

[ 簡報頁數 ] p.10 - \$.ajax()實作

[ 程式碼檔案位置 ] : 410977007盧嫻君/ajax/ex1.html

[ 執行結果 ] :



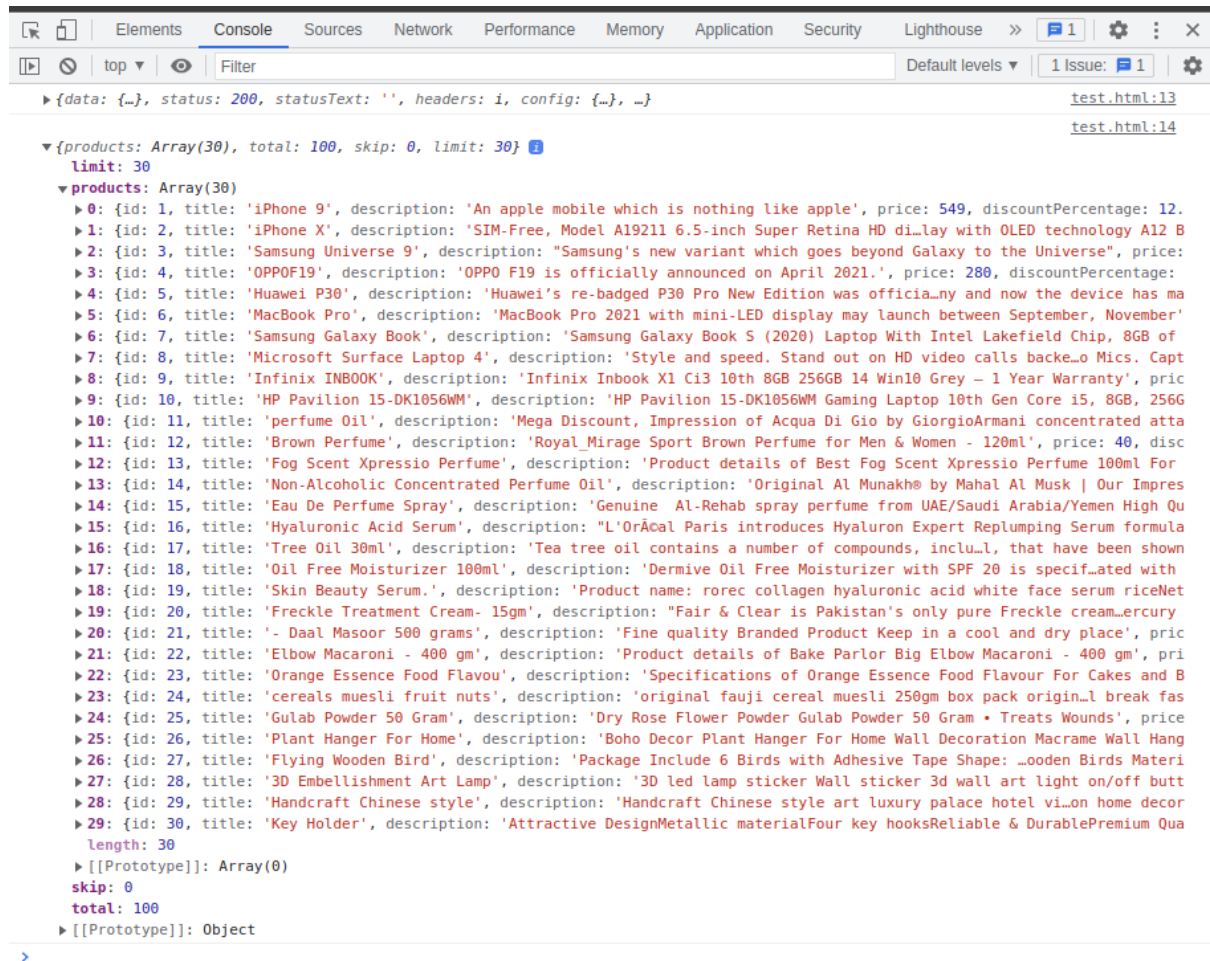
```
▼ {products: Array(30), total: 100, skip: 0, limit: 30} ⓘ
  limit: 30
  products: Array(30)
    ▶ 0: {id: 1, title: 'iPhone 9', description: 'An apple mobile which is nothing like apple', price: 549, discountPercentage: 12.
    ▶ 1: {id: 2, title: 'iPhone X', description: 'SIM-Free, Model A19211 6.5-inch Super Retina HD display with OLED technology A12 B
    ▶ 2: {id: 3, title: 'Samsung Universe 9', description: 'Samsung's new variant which goes beyond Galaxy to the Universe', price:
    ▶ 3: {id: 4, title: 'OPPOF19', description: 'OPPO F19 is officially announced on April 2021.', price: 280, discountPercentage:
    ▶ 4: {id: 5, title: 'Huawei P30', description: 'Huawei's re-badged P30 Pro New Edition was officially announced and now the device has ma
    ▶ 5: {id: 6, title: 'MacBook Pro', description: 'MacBook Pro 2021 with mini-LED display may launch between September, November'
    ▶ 6: {id: 7, title: 'Samsung Galaxy Book', description: 'Samsung Galaxy Book S (2020) Laptop With Intel Lakefield Chip, 8GB of
    ▶ 7: {id: 8, title: 'Microsoft Surface Laptop 4', description: 'Style and speed. Stand out on HD video calls backed by Microsoft's
    ▶ 8: {id: 9, title: 'Infinix INBOOK', description: 'Infinix Inbook X1 Ci3 10th 8GB 256GB 14 Win10 Grey – 1 Year Warranty', price
    ▶ 9: {id: 10, title: 'HP Pavilion 15-DK1056WM', description: 'HP Pavilion 15-DK1056WM Gaming Laptop 10th Gen Core i5, 8GB, 256G
    ▶ 10: {id: 11, title: 'perfume Oil', description: 'Mega Discount, Impression of Acqua Di Gio by GiorgioArmani concentrated atta
    ▶ 11: {id: 12, title: 'Brown Perfume', description: 'Royal_Mirage Sport Brown Perfume for Men & Women - 120ml', price: 40, disc
    ▶ 12: {id: 13, title: 'Fog Scent Xpressio Perfume', description: 'Product details of Best Fog Scent Xpressio Perfume 100ml For
    ▶ 13: {id: 14, title: 'Non-Alcoholic Concentrated Perfume Oil', description: 'Original Al Munakh® by Mahal Al Musk | Our Impres
    ▶ 14: {id: 15, title: 'Eau De Perfume Spray', description: 'Genuine Al-Rehab spray perfume from UAE/Saudi Arabia/Yemen High Qu
    ▶ 15: {id: 16, title: 'Hyaluronic Acid Serum', description: 'L'OrÃ©al Paris introduces Hyaluron Expert Replumping Serum formula
    ▶ 16: {id: 17, title: 'Tree Oil 30ml', description: 'Tea tree oil contains a number of compounds, including, that have been shown
    ▶ 17: {id: 18, title: 'Oil Free Moisturizer 100ml', description: 'Dermive Oil Free Moisturizer with SPF 20 is specifically formu
    ▶ 18: {id: 19, title: 'Skin Beauty Serum.', description: 'Product name: rorec collagen hyaluronic acid white face serum riceNet
    ▶ 19: {id: 20, title: 'Freckle Treatment Cream- 15gm', description: 'Fair & Clear is Pakistan's only pure Freckle cream. mercury
    ▶ 20: {id: 21, title: 'Daal Masoor 500 grams', description: 'Fine quality Branded Product Keep in a cool and dry place', price
    ▶ 21: {id: 22, title: 'Elbow Macaroni - 400 gm', description: 'Product details of Bake Parlor Big Elbow Macaroni - 400 gm', price
    ▶ 22: {id: 23, title: 'Orange Essence Food Flavou', description: 'Specifications of Orange Essence Food Flavour For Cakes and B
    ▶ 23: {id: 24, title: 'cereals muesli fruit nuts', description: 'original fauji cereal muesli 250gm box pack original breakfas
    ▶ 24: {id: 25, title: 'Gulab Powder 50 Gram', description: 'Dry Rose Flower Powder Gulab Powder 50 Gram • Treats Wounds', price
    ▶ 25: {id: 26, title: 'Plant Hanger For Home', description: 'Boho Decor Plant Hanger For Home Wall Decoration Macrame Wall Hang
    ▶ 26: {id: 27, title: 'Flying Wooden Bird', description: 'Package Include 6 Birds with Adhesive Tape Shape: 3D Wooden Bird Materi
    ▶ 27: {id: 28, title: '3D Embellishment Art Lamp', description: '3D led lamp sticker Wall sticker 3d wall art light on/off butt
    ▶ 28: {id: 29, title: 'Handcraft Chinese style', description: 'Handcraft Chinese style art luxury palace hotel villa home decor
    ▶ 29: {id: 30, title: 'Key Holder', description: 'Attractive DesignMetallic materialFour key hooksReliable & DurablePremium Qua
      length: 30
    ▶ [[Prototype]]: Array(0)
  skip: 0
  total: 100
  ▶ [[Prototype]]: Object
```



[ 簡報頁數 ] p.18 - axios()實作

[ 程式碼檔案位置 ] : 410977007盧佩君/ajax/ex2.html

[ 執行結果 ] :



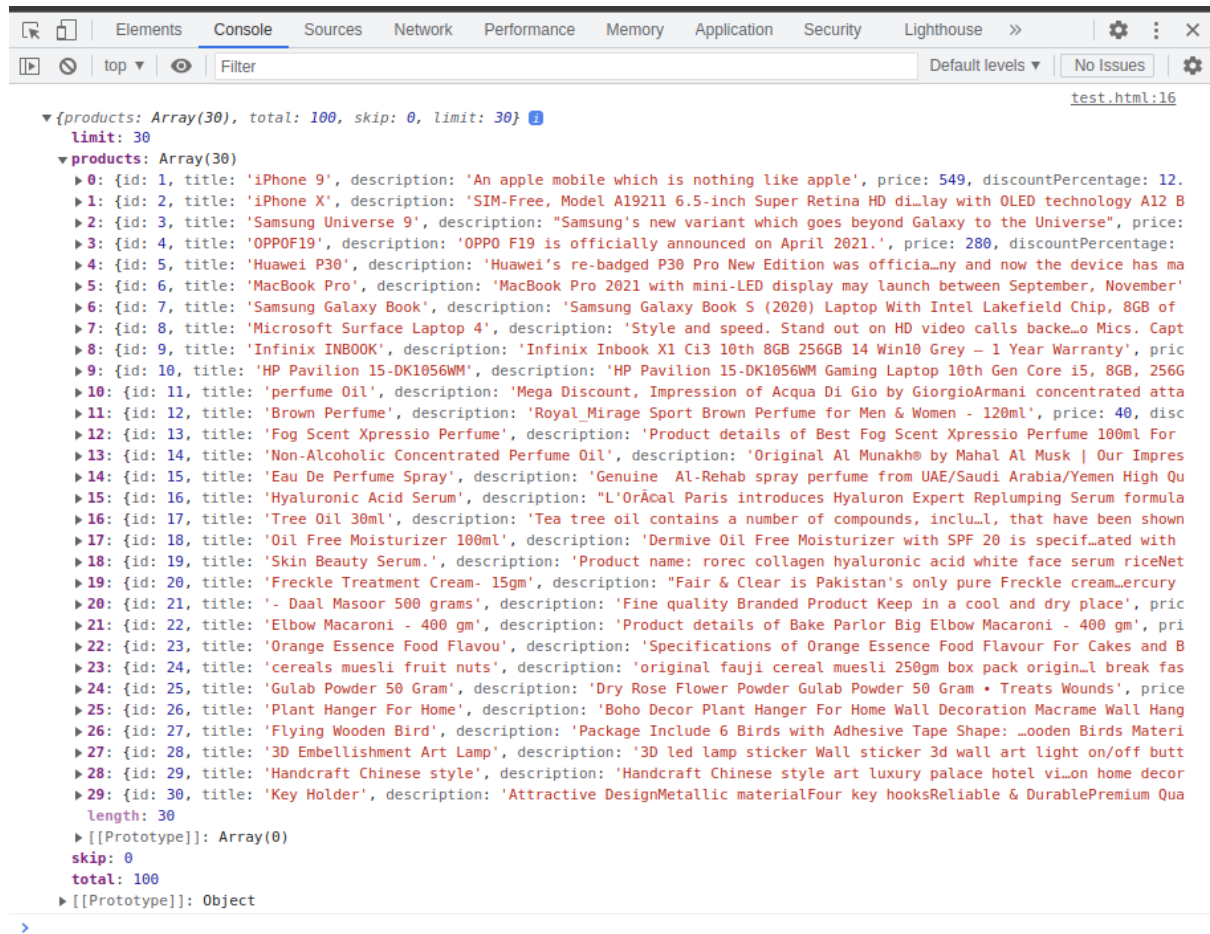
```
{data: {_, status: 200, statusText: '', headers: i, config: {_, _}}, ...} test.html:13

{products: Array(30), total: 100, skip: 0, limit: 30} test.html:14
  limit: 30
  products: Array(30)
    ▶ 0: {id: 1, title: 'iPhone 9', description: 'An apple mobile which is nothing like apple', price: 549, discountPercentage: 12.
    ▶ 1: {id: 2, title: 'iPhone X', description: 'SIM-Free, Model A19211 6.5-inch Super Retina HD display with OLED technology A12 B
    ▶ 2: {id: 3, title: 'Samsung Universe 9', description: "Samsung's new variant which goes beyond Galaxy to the Universe", price:
    ▶ 3: {id: 4, title: 'OPPO F19', description: 'OPPO F19 is officially announced on April 2021.', price: 280, discountPercentage:
    ▶ 4: {id: 5, title: 'Huawei P30', description: 'Huawei's re-badged P30 Pro New Edition was officially announced and now the device has ma
    ▶ 5: {id: 6, title: 'MacBook Pro', description: 'MacBook Pro 2021 with mini-LED display may launch between September, November'
    ▶ 6: {id: 7, title: 'Samsung Galaxy Book', description: 'Samsung Galaxy Book S (2020) Laptop With Intel Lakefield Chip, 8GB of
    ▶ 7: {id: 8, title: 'Microsoft Surface Laptop 4', description: 'Style and speed. Stand out on HD video calls backed by Microsoft's
    ▶ 8: {id: 9, title: 'Infinix INBOOK', description: 'Infinix Inbook X1 Ci3 10th 8GB 256GB 14 Win10 Grey – 1 Year Warranty', price:
    ▶ 9: {id: 10, title: 'HP Pavilion 15-DK1056WM', description: 'HP Pavilion 15-DK1056WM Gaming Laptop 10th Gen Core i5, 8GB, 256G
    ▶ 10: {id: 11, title: 'perfume Oil', description: 'Mega Discount, Impression of Acqua Di Gio by GiorgioArmani concentrated attar
    ▶ 11: {id: 12, title: 'Brown Perfume', description: 'Royal_Mirage Sport Brown Perfume for Men & Women - 120ml', price: 40, discountPercentage:
    ▶ 12: {id: 13, title: 'Fog Scent Xpressio Perfume', description: 'Product details of Best Fog Scent Xpressio Perfume 100ml For
    ▶ 13: {id: 14, title: 'Non-Alcoholic Concentrated Perfume Oil', description: 'Original Al Munakh® by Mahal Al Musk | Our Impres
    ▶ 14: {id: 15, title: 'Eau De Perfume Spray', description: 'Genuine Al-Rehab spray perfume from UAE/Saudi Arabia/Yemen High Quality
    ▶ 15: {id: 16, title: 'Hyaluronic Acid Serum', description: 'L'Oréal Paris introduces Hyaluron Expert Replumping Serum formula
    ▶ 16: {id: 17, title: 'Tree Oil 30ml', description: 'Tea tree oil contains a number of compounds, including, that have been shown
    ▶ 17: {id: 18, title: 'Oil Free Moisturizer 100ml', description: 'Dermive Oil Free Moisturizer with SPF 20 is specifically formu
    ▶ 18: {id: 19, title: 'Skin Beauty Serum.', description: 'Product name: rorec collagen hyaluronic acid white face serum riceNet
    ▶ 19: {id: 20, title: 'Freckle Treatment Cream- 15gm', description: 'Fair & Clear is Pakistan's only pure Freckle cream. Will
    ▶ 20: {id: 21, title: 'Daal Masoor 500 grams', description: 'Fine quality Branded Product Keep in a cool and dry place', price:
    ▶ 21: {id: 22, title: 'Elbow Macaroni - 400 gm', description: 'Product details of Bake Parlor Big Elbow Macaroni - 400 gm', price:
    ▶ 22: {id: 23, title: 'Orange Essence Food Flavou', description: 'Specifications of Orange Essence Food Flavour For Cakes and B
    ▶ 23: {id: 24, title: 'cereals muesli fruit nuts', description: 'original fauji cereal muesli 250gm box pack original break fas
    ▶ 24: {id: 25, title: 'Gulab Powder 50 Gram', description: 'Dry Rose Flower Powder Gulab Powder 50 Gram • Treats Wounds', price:
    ▶ 25: {id: 26, title: 'Plant Hanger For Home', description: 'Boho Decor Plant Hanger For Home Wall Decoration Macrame Wall Hang
    ▶ 26: {id: 27, title: 'Flying Wooden Bird', description: 'Package Include 6 Birds with Adhesive Tape Shape: 3 Wooden Birds Materi
    ▶ 27: {id: 28, title: '3D Embellishment Art Lamp', description: '3D led lamp sticker Wall sticker 3d wall art light on/off butt
    ▶ 28: {id: 29, title: 'Handcraft Chinese style', description: 'Handcraft Chinese style art luxury palace hotel villa home decor
    ▶ 29: {id: 30, title: 'Key Holder', description: 'Attractive DesignMetallic materialFour key hooksReliable & DurablePremium Qua
    length: 30
    ▶ [[Prototype]]: Array(0)
    skip: 0
    total: 100
    ▶ [[Prototype]]: Object
```

[ 簡報頁數 ] p.26 - fetch() 實作

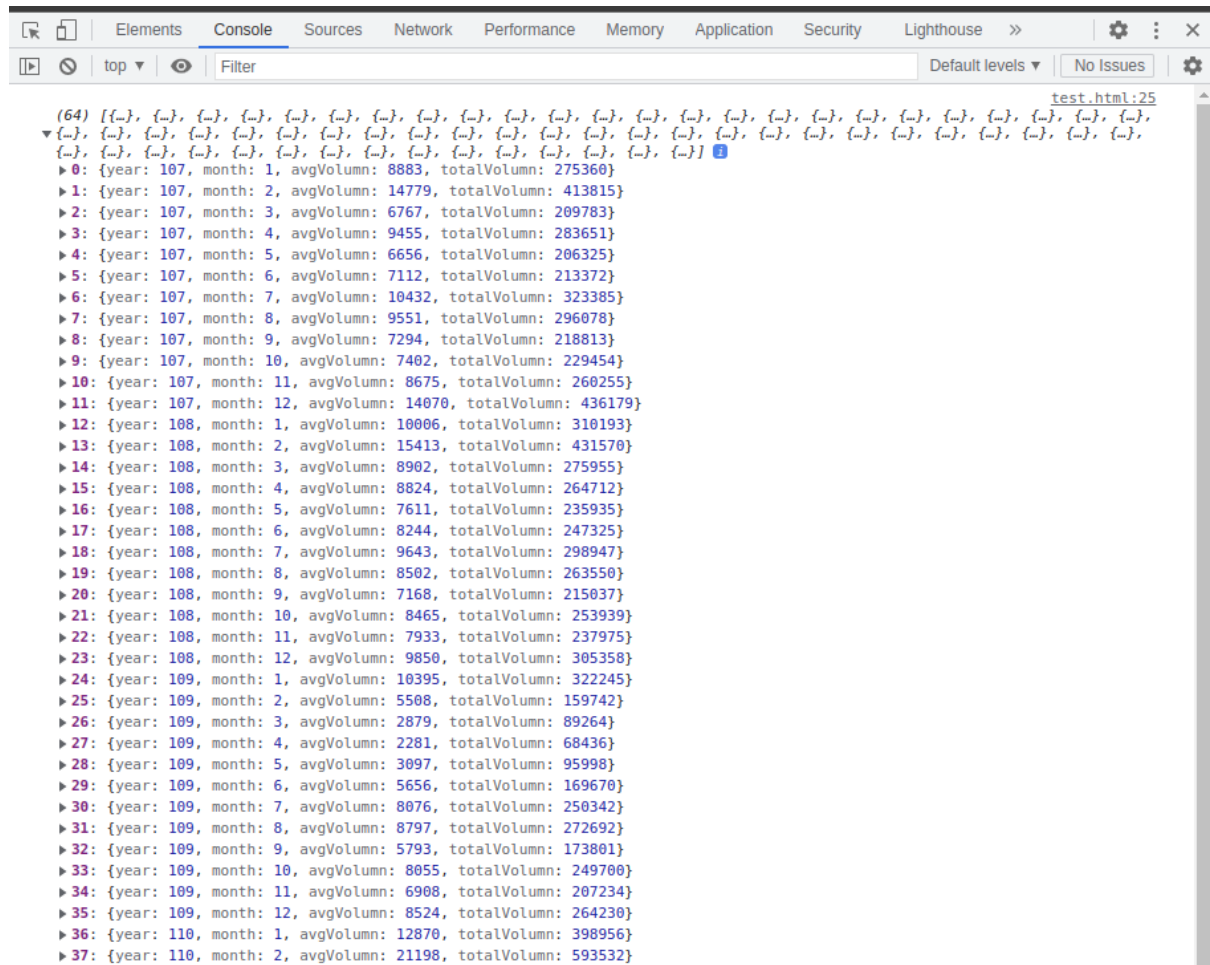
[ 程式碼檔案位置 ] : 410977007盧佩君/ajax/ex3.html

[ 執行結果 ] :



```
▼ {products: Array(30), total: 100, skip: 0, limit: 30} ⓘ
  limit: 30
  ▼ products: Array(30)
    ▶ 0: {id: 1, title: 'iPhone 9', description: 'An apple mobile which is nothing like apple', price: 549, discountPercentage: 12.
    ▶ 1: {id: 2, title: 'iPhone X', description: 'SIM-Free, Model A19211 6.5-inch Super Retina HD display with OLED technology A12 B
    ▶ 2: {id: 3, title: 'Samsung Universe 9', description: 'Samsung's new variant which goes beyond Galaxy to the Universe', price:
    ▶ 3: {id: 4, title: 'OPPOF19', description: 'OPPO F19 is officially announced on April 2021.', price: 280, discountPercentage:
    ▶ 4: {id: 5, title: 'Huawei P30', description: 'Huawei's re-badged P30 Pro New Edition was officialy and now the device has ma
    ▶ 5: {id: 6, title: 'MacBook Pro', description: 'MacBook Pro 2021 with mini-LED display may launch between September, November'
    ▶ 6: {id: 7, title: 'Samsung Galaxy Book', description: 'Samsung Galaxy Book S (2020) Laptop With Intel Lakefield Chip, 8GB of
    ▶ 7: {id: 8, title: 'Microsoft Surface Laptop 4', description: 'Style and speed. Stand out on HD video calls backed by Mics. Capt
    ▶ 8: {id: 9, title: 'Infinix INBOOK', description: 'Infinix Inbook X1 Ci3 10th 8GB 256GB 14 Win10 Grey – 1 Year Warranty', pric
    ▶ 9: {id: 10, title: 'HP Pavilion 15-DK1056WM', description: 'HP Pavilion 15-DK1056WM Gaming Laptop 10th Gen Core i5, 8GB, 256G
    ▶ 10: {id: 11, title: 'perfume Oil', description: 'Mega Discount, Impression of Acqua Di Gio by GiorgioArmani concentrated atta
    ▶ 11: {id: 12, title: 'Brown Perfume', description: 'Royal_Mirage Sport Brown Perfume for Men & Women - 120ml', price: 40, disc
    ▶ 12: {id: 13, title: 'Fog Scent Xpressio Perfume', description: 'Product details of Best Fog Scent Xpressio Perfume 100ml For
    ▶ 13: {id: 14, title: 'Non-Alcoholic Concentrated Perfume Oil', description: 'Original Al Munakh® by Mahal Al Musk | Our Impres
    ▶ 14: {id: 15, title: 'Eau De Perfume Spray', description: 'Genuine Al-Rehab spray perfume from UAE/Saudi Arabia/Yemen High Qu
    ▶ 15: {id: 16, title: 'Hyaluronic Acid Serum', description: 'L'OrÃical Paris introduces Hyaluron Expert Replumping Serum formula
    ▶ 16: {id: 17, title: 'Tree Oil 30ml', description: 'Tea tree oil contains a number of compounds, includ, that have been shown
    ▶ 17: {id: 18, title: 'Oil Free Moisturizer 100ml', description: 'Dermive Oil Free Moisturizer with SPF 20 is specifiated with
    ▶ 18: {id: 19, title: 'Skin Beauty Serum.', description: 'Product name: rorec collagen hyaluronic acid white face serum riceNet
    ▶ 19: {id: 20, title: 'Freckle Treatment Cream- 15gm', description: 'Fair & Clear is Pakistan's only pure Freckle cream...mercury
    ▶ 20: {id: 21, title: '- Daal Masoor 500 grams', description: 'Fine quality Branded Product Keep in a cool and dry place', pric
    ▶ 21: {id: 22, title: 'Elbow Macaroni - 400 gm', description: 'Product details of Bake Parlor Big Elbow Macaroni - 400 gm', pri
    ▶ 22: {id: 23, title: 'Orange Essence Food Flavou', description: 'Specifications of Orange Essence Food Flavour For Cakes and B
    ▶ 23: {id: 24, title: 'cereals muesli fruit nuts', description: 'original fauji cereal muesli 250gm box pack origin...l break fas
    ▶ 24: {id: 25, title: 'Gulab Powder 50 Gram', description: 'Dry Rose Flower Powder Gulab Powder 50 Gram • Treats Wounds', price
    ▶ 25: {id: 26, title: 'Plant Hanger For Home', description: 'Boho Decor Plant Hanger For Home Wall Decoration Macrame Wall Hang
    ▶ 26: {id: 27, title: 'Flying Wooden Bird', description: 'Package Include 6 Birds with Adhesive Tape Shape: ...ooden Birds Materi
    ▶ 27: {id: 28, title: '3D Embellishment Art Lamp', description: '3D led lamp sticker Wall sticker 3d wall art light on/off butt
    ▶ 28: {id: 29, title: 'Handcraft Chinese style', description: 'Handcraft Chinese style art luxury palace hotel villa on home decor
    ▶ 29: {id: 30, title: 'Key Holder', description: 'Attractive DesignMetallic materialFour key hooksReliable & DurablePremium Qua
      length: 30
    ▶ [[Prototype]]: Array(0)
    skip: 0
    total: 100
  ▶ [[Prototype]]: Object
```

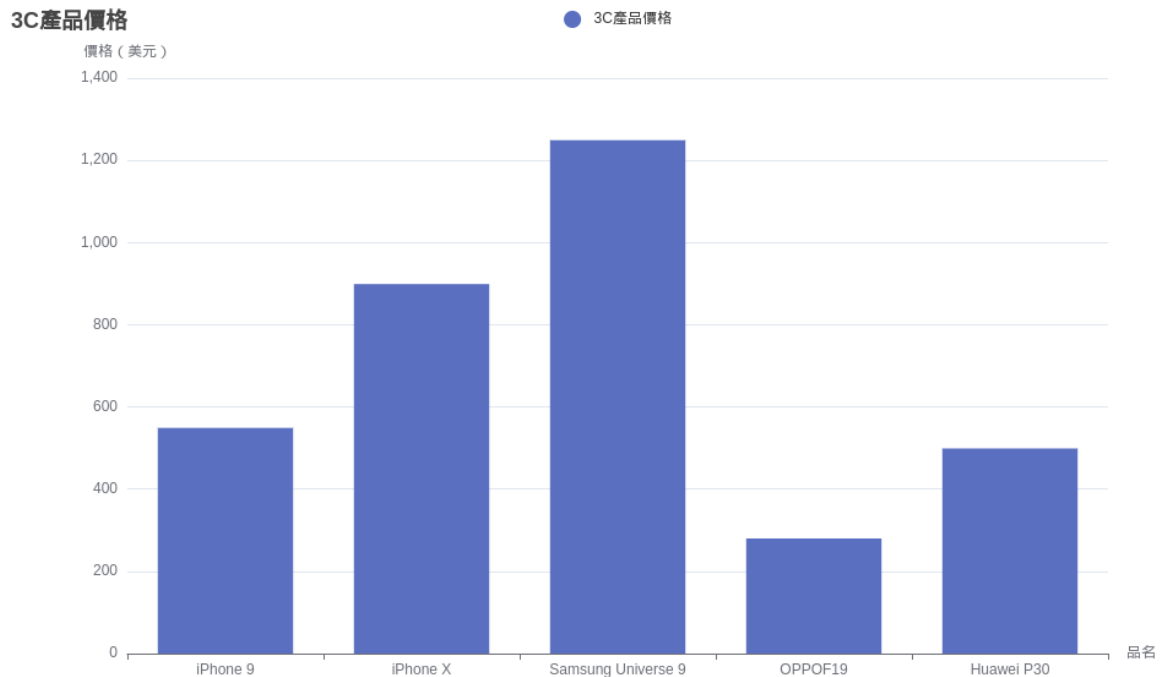
**【執行結果】：**



[ 簡報頁數 ] p.47 - Echarts載入資料

[ 程式碼檔案位置 ] : 410977007盧佩君/echart\_advanced/p47.html

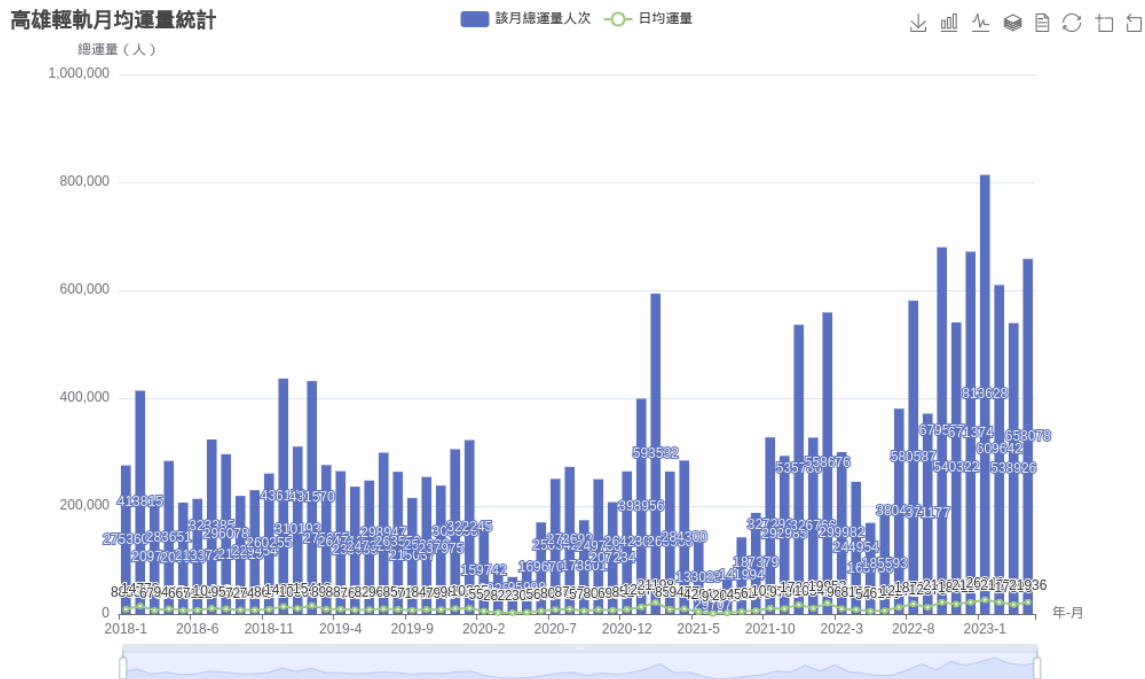
[ 執行結果 ] :



[ 簡報頁數 ] p.50 - Echarts小測驗

[ 程式碼檔案位置 ] : 410977007盧佩君/echart\_advanced/p50\_echart\_test.html

[ 執行結果 ] :



## [ 簡報頁數 ]

p.58 - 事件動態載入資料 ( console )

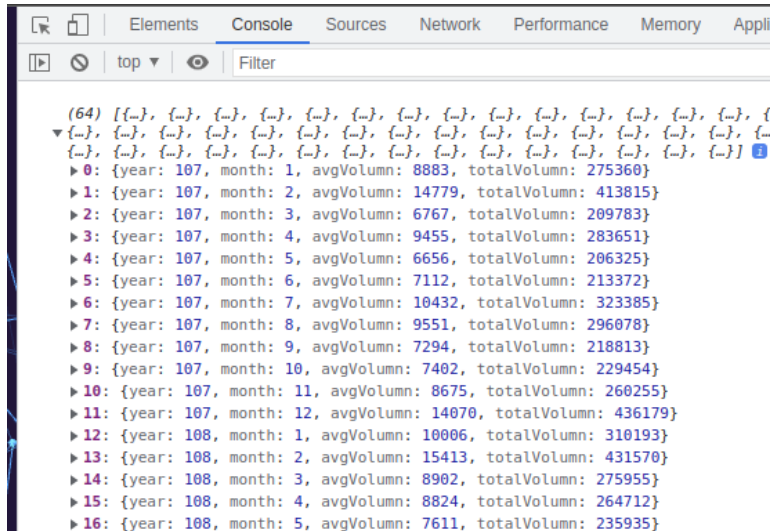
p.62 - 事件動態載入資料 ( echart )

## [ 程式碼檔案位置 ]:

410977007盧佩君/echart\_advanced/show\_api\_data\_by\_click\_button.html

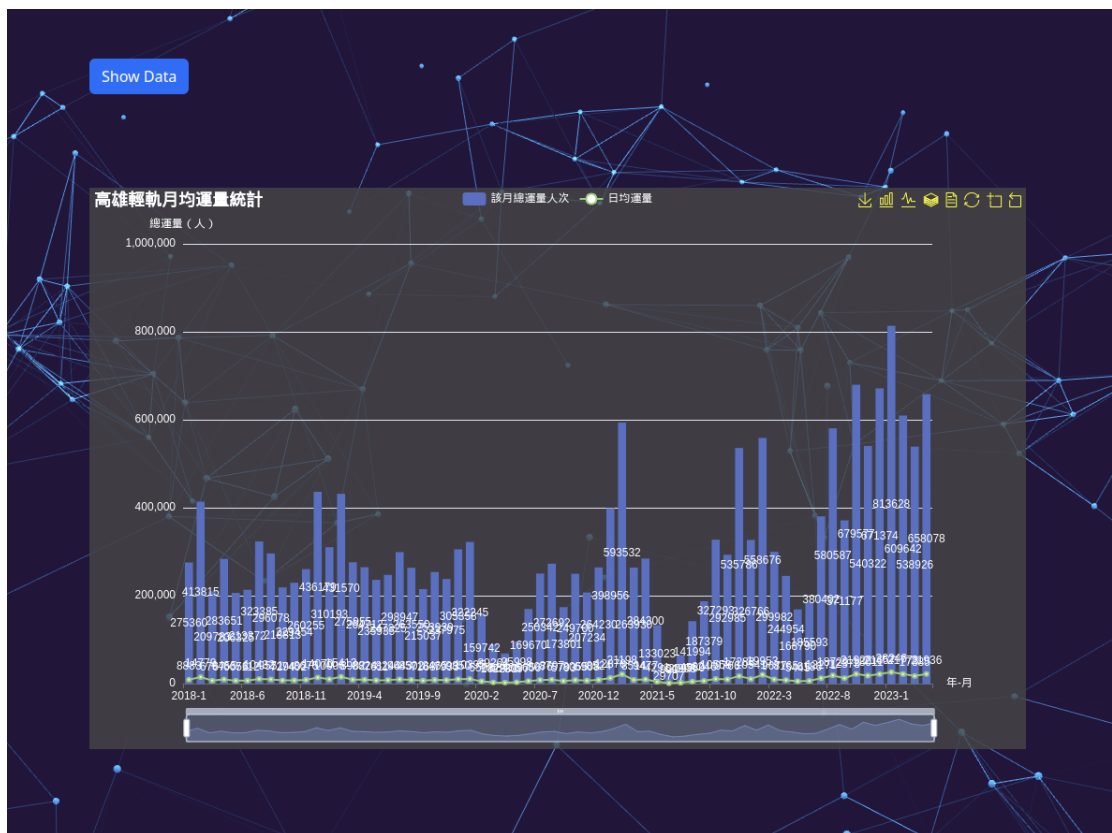
## [ 執行結果 ]:

### 1. console



```
(64) [{"year": 107, "month": 1, "avgVolumn": 8883, "totalVolumn": 275360}, {"year": 107, "month": 2, "avgVolumn": 14779, "totalVolumn": 413815}, {"year": 107, "month": 3, "avgVolumn": 6767, "totalVolumn": 209783}, {"year": 107, "month": 4, "avgVolumn": 9455, "totalVolumn": 283651}, {"year": 107, "month": 5, "avgVolumn": 6656, "totalVolumn": 206325}, {"year": 107, "month": 6, "avgVolumn": 7112, "totalVolumn": 213372}, {"year": 107, "month": 7, "avgVolumn": 10432, "totalVolumn": 323385}, {"year": 107, "month": 8, "avgVolumn": 9551, "totalVolumn": 296078}, {"year": 107, "month": 9, "avgVolumn": 7294, "totalVolumn": 218813}, {"year": 107, "month": 10, "avgVolumn": 7402, "totalVolumn": 229454}, {"year": 107, "month": 11, "avgVolumn": 8675, "totalVolumn": 260255}, {"year": 107, "month": 12, "avgVolumn": 14070, "totalVolumn": 436179}, {"year": 108, "month": 1, "avgVolumn": 10006, "totalVolumn": 310193}, {"year": 108, "month": 2, "avgVolumn": 15413, "totalVolumn": 431570}, {"year": 108, "month": 3, "avgVolumn": 8902, "totalVolumn": 275955}, {"year": 108, "month": 4, "avgVolumn": 8824, "totalVolumn": 264712}, {"year": 108, "month": 5, "avgVolumn": 7611, "totalVolumn": 235935}
```

### 2. echart



## 簡報名稱: geoMap.pdf

[ 簡報頁數 ] p.15 - 取得台灣的GEOJSON

[ 程式碼檔案位置 ] : 410977007盧佩君/geojson/TW.json

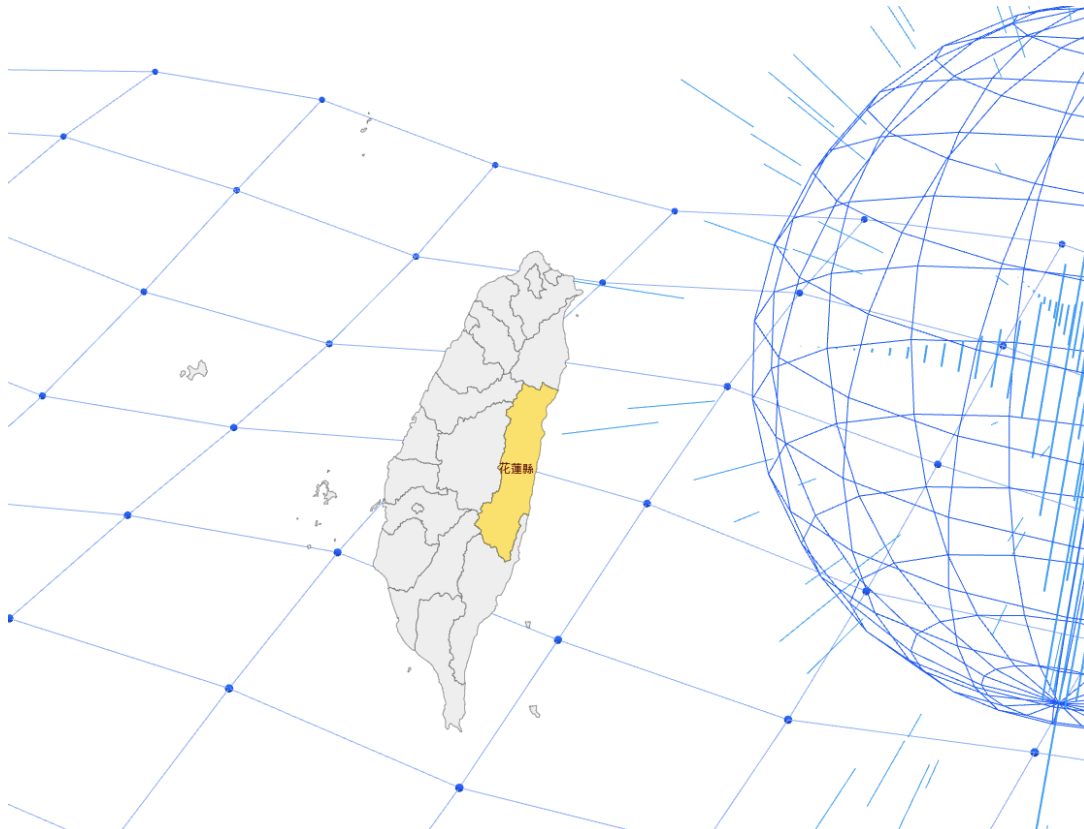
[ 執行結果 ] :

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature",
      "properties": {
        "COUNTYSN": "10014001",
        "COUNTYNAME": "臺東縣",
        "name": "臺東縣"
      },
      "geometry": {
        "type": "MultiPolygon",
        "coordinates": [
          [
            [
              [
                121.50044705940881,
                22.646620575361514
              ],
              [
                121.50588929060649,
                22.633389745897613
              ],
              [
                121.4948493358912,
                22.633389745897613
              ]
            ]
          ]
        ]
      }
    }
  ]
}
```

[ 簡報頁數 ] p.23 - 實作台灣地圖

[ 程式碼檔案位置 ] : 410977007盧佩君/geojson/echart\_tw\_map.html

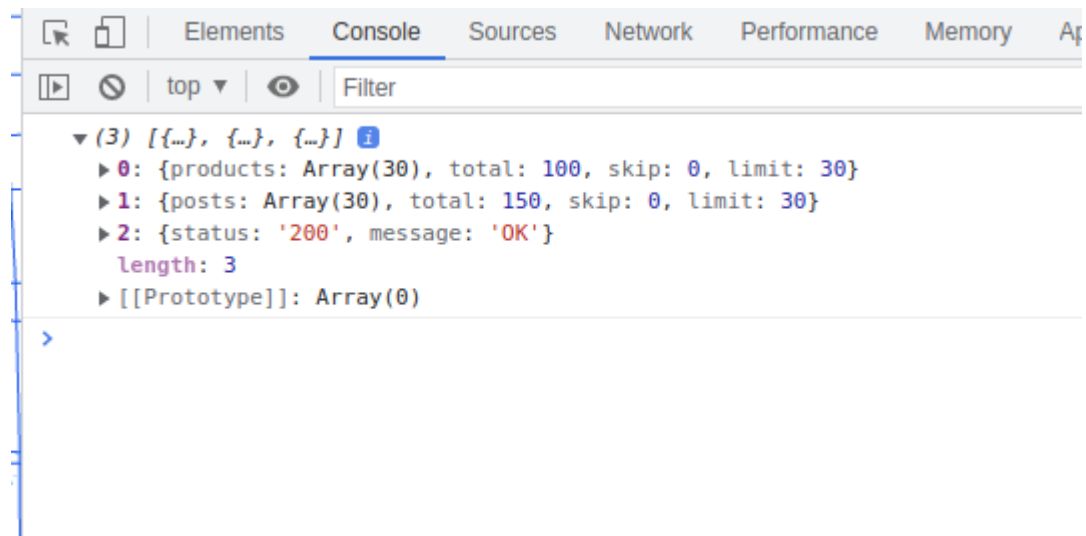
[ 執行結果 ] :



[ 簡報頁數 ] p.34 - 使用**async**、**await**、**promise.all()**,完成一個非同步函式操作

[ 程式碼檔案位置 ] : [410977007盧佩君/async\\_await\\_promise/async\\_await\\_promise.html](#)

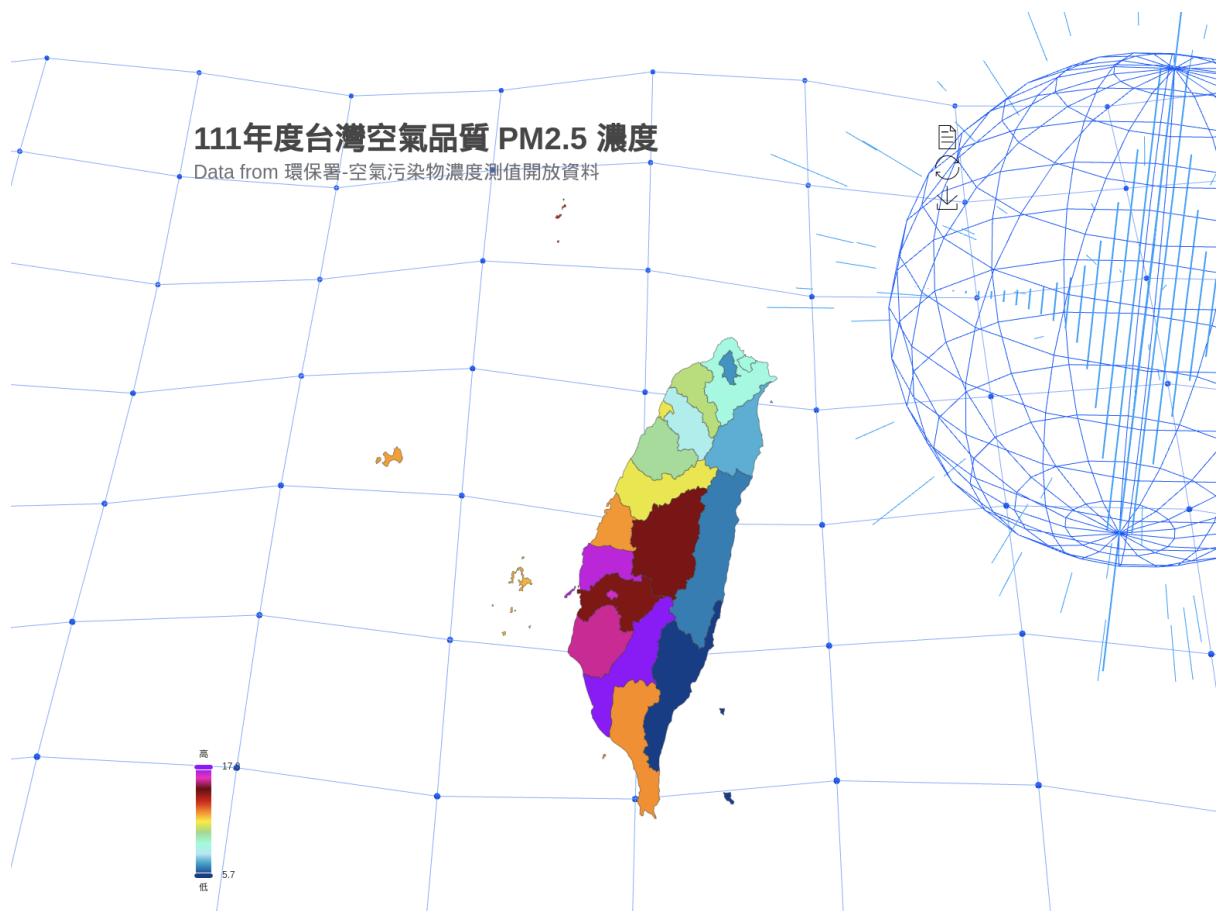
[ 執行結果 ] :



[ 簡報頁數 ] p.45 - Echarts地圖+OPENDATA ( pm2.5 map )

[ 程式碼檔案位置 ] : [410977007盧佩君/PM25\\_map/pm25\\_map.html](#)

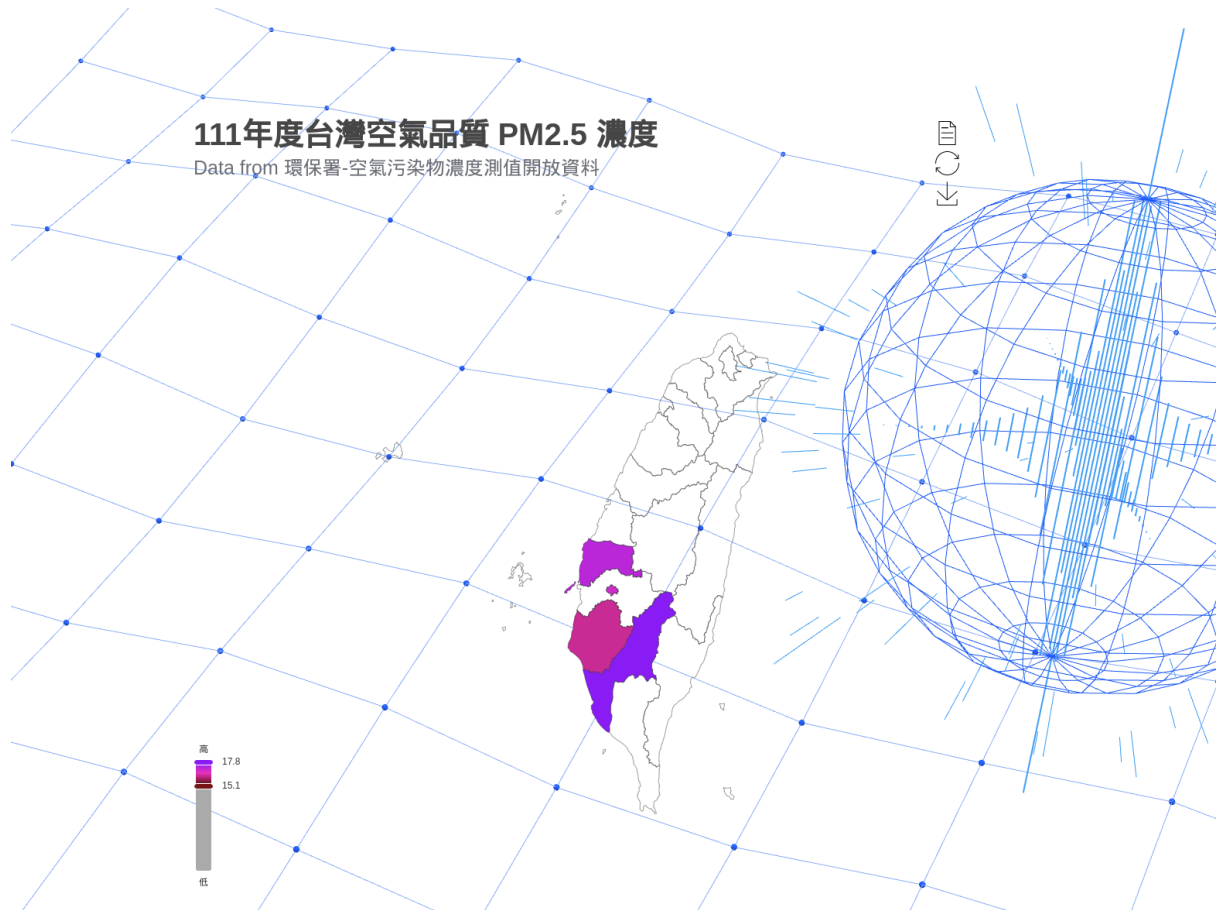
[ 執行結果 ] :





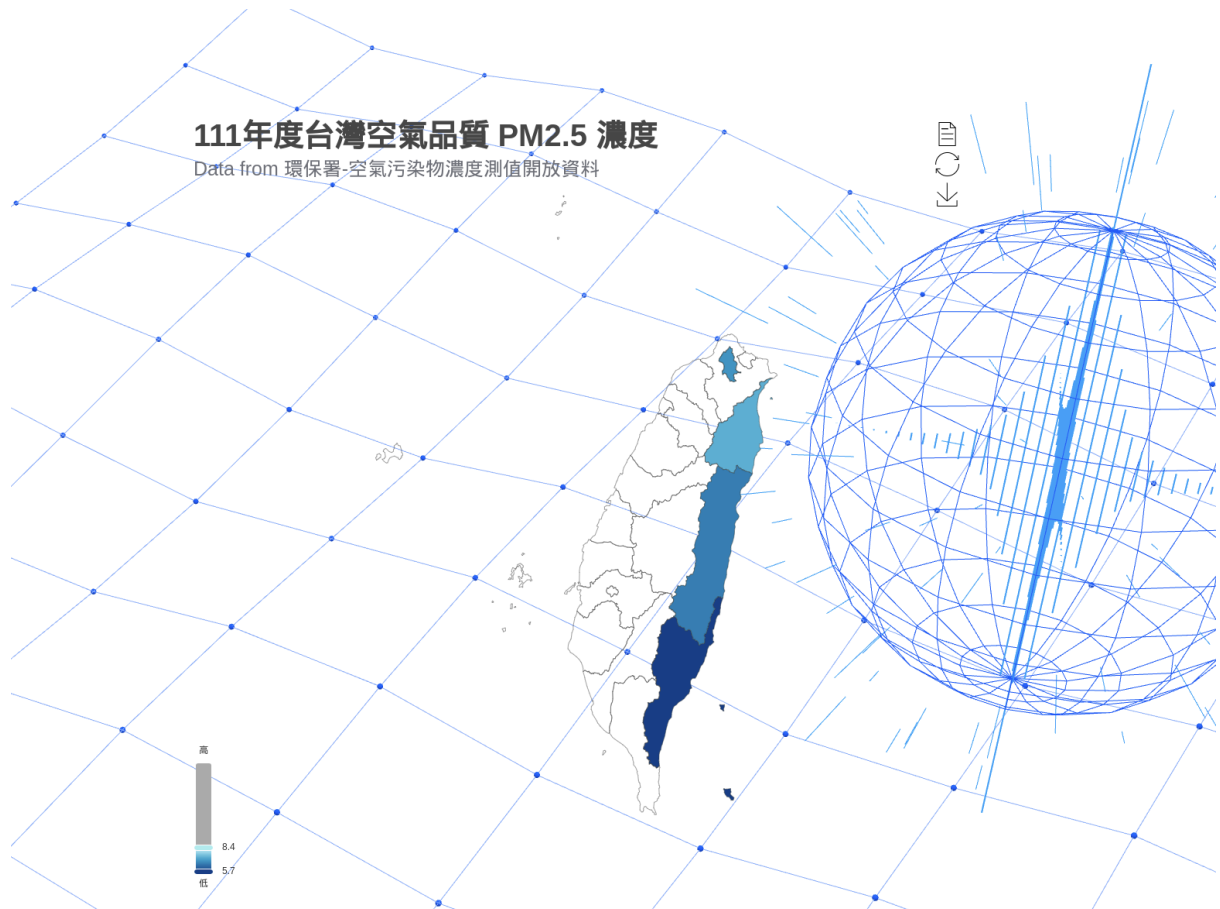
## 111年度台灣空氣品質 PM2.5 濃度

Data from 環保署-空氣污染物濃度測值開放資料



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