

# R及R-STUDIO下載安裝教學



# 安裝R









# 在搜尋器上，輸入R

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R

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約有 25,270,000,000 項結果 (搜尋時間：0.24 秒)




The R Project for Statistical Computing

<https://www.r-project.org> · 翻譯這個網頁

The R Project for Statistical Computing

R is a free software environment for statistical computing and graphics. It compiles and runs on a wide variety of UNIX platforms, Windows and MacOS. To ...

來自 r-project.org 的搜尋結果



R-4.3.2 for Windows

FAQs - Previous releases - News - ...



About R




R is a language and environment for statistical computing and ...

R from CRAN

CRAN is a network of ftp and web servers around the world that ...

GSoC





R語言

程式語言：

R語言是一種自由軟體程式語言與操作環境，主要用於統計分析、繪圖以及資料探勘。R由紐西蘭奧克蘭大學的統計學家羅斯·伊哈卡和羅伯特·傑特曼開發，現在由R核心小組負責開發，同時也有其他使用者編寫了諸多外掛的軟體套件。R以S語言為基礎，其詞法作用域語意來自Scheme。維基百科

# 點選後進入，點選CRAN



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**R Foundation**

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## The R Project for Statistical Computing

### Getting Started

R is a free software environment for statistical computing and graphics. It compiles and runs on a wide variety of UNIX platforms, Windows and MacOS. To [download R](#), please choose your preferred [CRAN mirror](#).

If you have questions about R like how to download and install the software, or what the license terms are, please read our [answers to frequently asked questions](#) before you send an email.

### News

- [Registration for useR! 2024](#) has opened with early bird deadline March 31 2024.
- [R version 4.3.2 \(Eye Holes\)](#) has been released on 2023-10-31.
- [R version 4.2.3 \(Shortstop Beagle\)](#) has been released on 2023-03-15.
- You can support the R Foundation with a renewable subscription as a [supporting member](#).

### News via Mastodon



**useR\_conf**

UseR! 2024 will be taking place in Salzburg, Austria (as well as virtually) in July 2024.

Early bird tickets & Sponsorship are now available.

Venue: Wyndham Grand Salzburg Conference Centre

Dates: Monday 8th to Thursday 11th July 2024

Website: [events.linuxfoundation.org/use...](https://events.linuxfoundation.org/use...)

# 進來後找到台灣的載點

<https://ftp.cixug.es/CRAN/>

<https://cran.rediris.es/>

Sweden

<https://ftp.acc.umu.se/mirror/CRAN/>

Switzerland

<https://stat.ethz.ch/CRAN/>

<https://mirror.metanet.ch/cran/>

Taiwan

<https://cran.csie.ntu.edu.tw/>

Thailand

<http://mirrors.psu.ac.th/pub/cran/>

Turkey

<https://cran.pau.edu.tr/>

<https://cran.gedik.edu.tr/>

UK

<https://www.stats.bris.ac.uk/R/>

<https://cran.ma.imperial.ac.uk/>

<https://anorien.csc.warwick.ac.uk/CRAN/>

USA

<https://mirror.las.iastate.edu/CRAN/>

<http://ftp.ussg.iu.edu/CRAN/>

<https://repo.miserver.it.umich.edu/cran/>

<https://cran.wustl.edu/>

<https://archive.linux.duke.edu/cran/>

<https://cran.case.edu/>

<https://ftp.osuosl.org/pub/cran/>

<http://lib.stat.cmu.edu/R/CRAN/>

<https://cran.mirrors.hoobly.com/>

Oficina de software libre (CIXUG)

Spanish National Research Network, Madrid

Academic Computer Club, Umeå University

ETH Zürich

METNET AG

National Taiwan University, Taipei

Prince of Songkla University, Hatyai

Pamukkale University, Denizli

Istanbul Gedik University

University of Bristol

Imperial College London

University of Warwick

Iowa State University, Ames, IA

Indiana University

MBNI, University of Michigan, Ann Arbor, MI

Washington University, St. Louis, MO

Duke University, Durham, NC

Case Western Reserve University, Cleveland, OH

Oregon State University

Statlib, Carnegie Mellon University, Pittsburgh, PA

Hoobly Classifieds, Pittsburgh, PA

# 接著依照自己電腦的作業系統點選載點



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## The Comprehensive R Archive Network

### Download and Install R

Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:

- [Download R for Linux \(Debian, Fedora/Redhat, Ubuntu\)](#)
- [Download R for macOS](#)
- [Download R for Windows](#)

R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above.

### Source Code for all Platforms

Windows and Mac users most likely want to download the precompiled binaries listed in the upper box, not the source code. The sources have to be compiled before you can use them. If you do not know what this means, you probably do not want to do it!

- The latest release (2023-10-31, Eye Holes) [R-4.3.2.tar.gz](#), read [what's new](#) in the latest version.
- Sources of [R alpha and beta releases](#) (daily snapshots, created only in time periods before a planned release).
- Daily snapshots of current patched and development versions are [available here](#). Please read about [new features and bug fixes](#) before filing corresponding feature requests or bug reports.
- Source code of older versions of R is [available here](#).
- Contributed extension [packages](#)

### Questions About R

- If you have questions about R like how to download and install the software, or what the license terms are, please read our [answers to frequently asked questions](#) before you send an email

# 這邊選擇第一個進行下載



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## R for Windows

Subdirectories:

[base](#)

[contrib](#)

[old contrib](#)

[Rtools](#)

Binaries for base distribution. This is what you want to **install R for the first time**.

Binaries of contributed CRAN packages (for R  $\geq$  3.4.x).

Binaries of contributed CRAN packages for outdated versions of R (for R  $<$  3.4.x).

Tools to build R and R packages. This is what you want to build your own packages on Windows, or to build R itself.

Please do not submit binaries to CRAN. Package developers might want to contact Uwe Ligges directly in case of questions / suggestions related to Windows binaries.

You may also want to read the [R FAQ](#) and [R for Windows FAQ](#).

Note: CRAN does some checks on these binaries for viruses, but cannot give guarantees. Use the normal precautions with downloaded executables.



# 進行下載



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## R-4.3.2 for Windows

[Download R-4.3.2 for Windows](#) (79 megabytes, 64 bit)

[README on the Windows binary distribution](#)

[New features in this version](#)

This build requires UCRT, which is part of Windows since Windows 10 and Windows Server 2016. On older systems, UCRT has to be installed manually from [here](#).

If you want to double-check that the package you have downloaded matches the package distributed by CRAN, you can compare the [md5sum](#) of the .exe to the [fingerprint](#) on the master server.

### Frequently asked questions

- [Does R run under my version of Windows?](#)
- [How do I update packages in my previous version of R?](#)

Please see the [R FAQ](#) for general information about R and the [R Windows FAQ](#) for Windows-specific information.

### Other builds

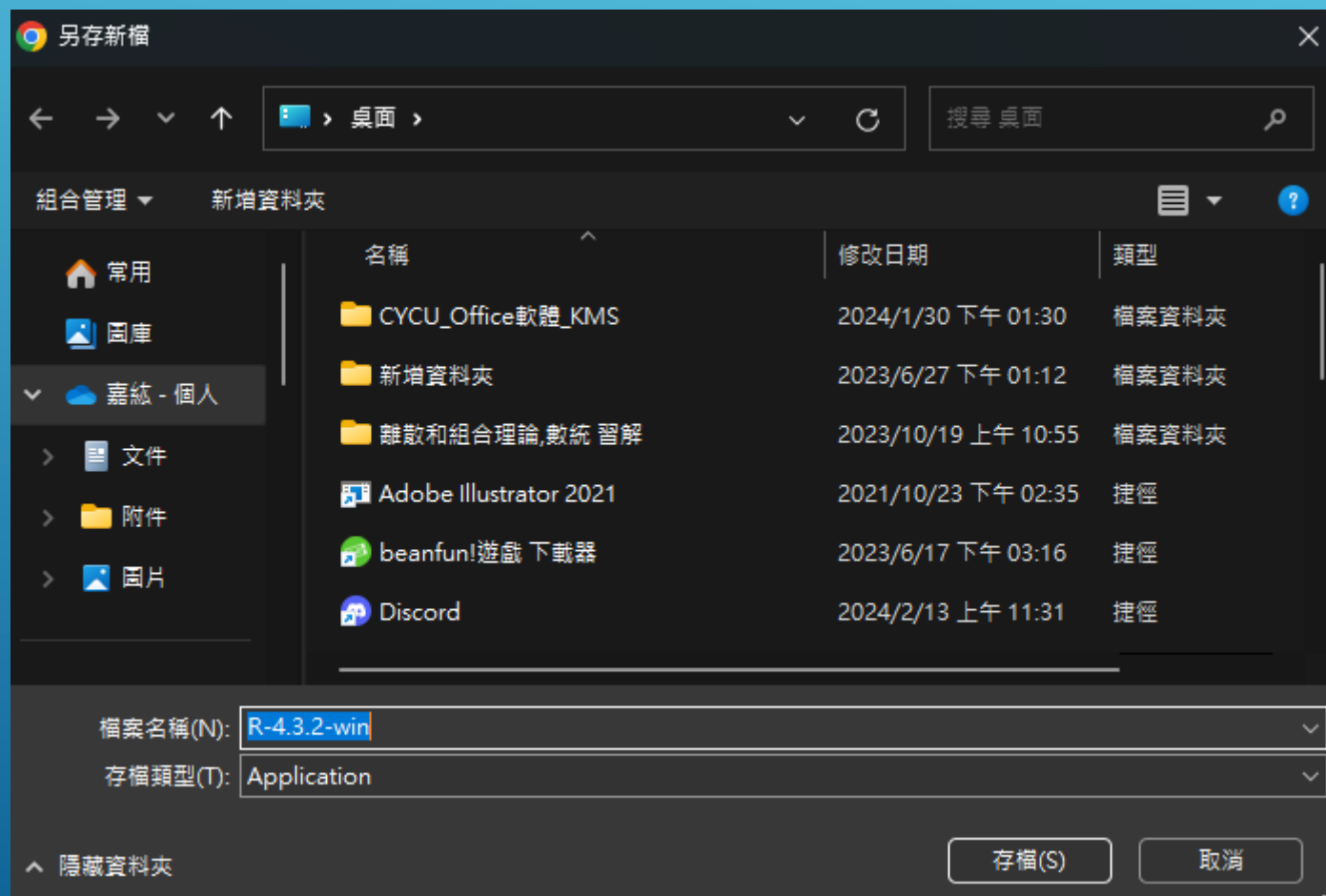
- Patches to this release are incorporated in the [r-patched snapshot build](#).
- A build of the development version (which will eventually become the next major release of R) is available in the [r-devel snapshot build](#).
- [Previous releases](#)

Note to webmasters: A stable link which will redirect to the current Windows binary release is  
<http://<CRAN MIRROR>/bin/windows/base/release.html>.

Last change: 2023-10-31



# 選擇下載位置，並下載



# 點開載好的檔案



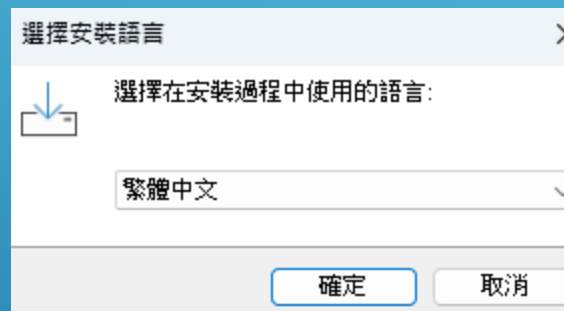
R-4.3.2-win

2024/2/14 上午 01:56

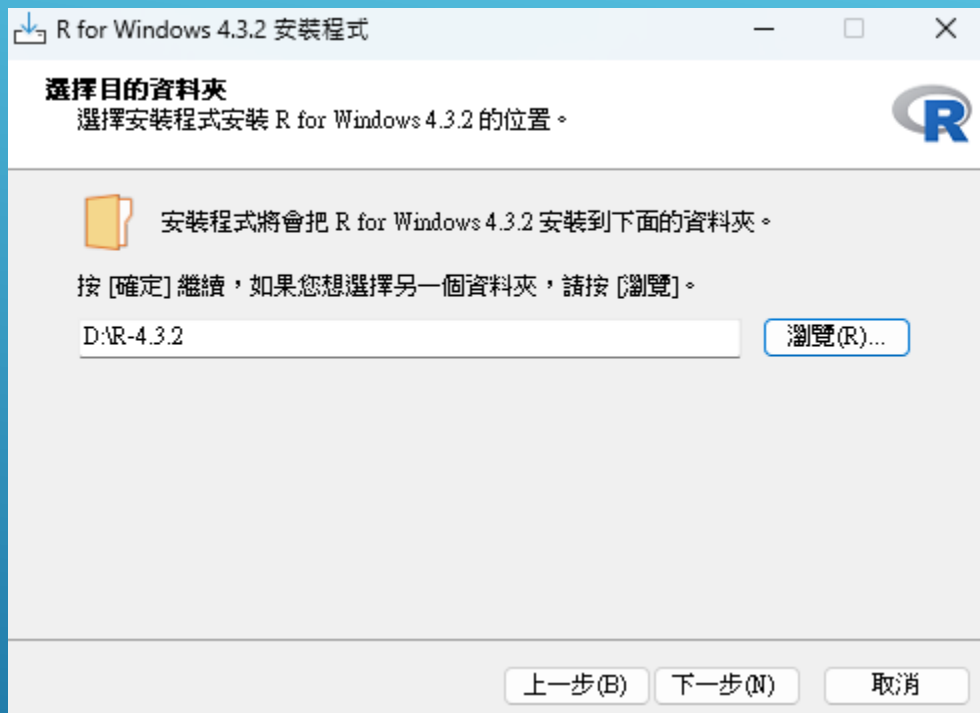
應用程式

80,658 KB

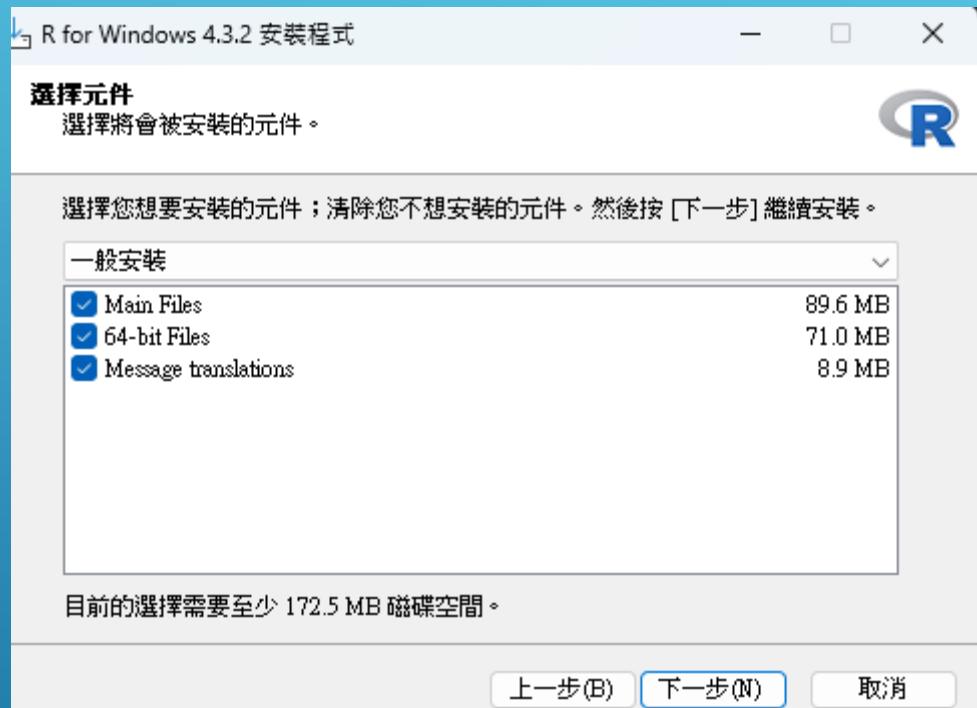
# 進行安裝



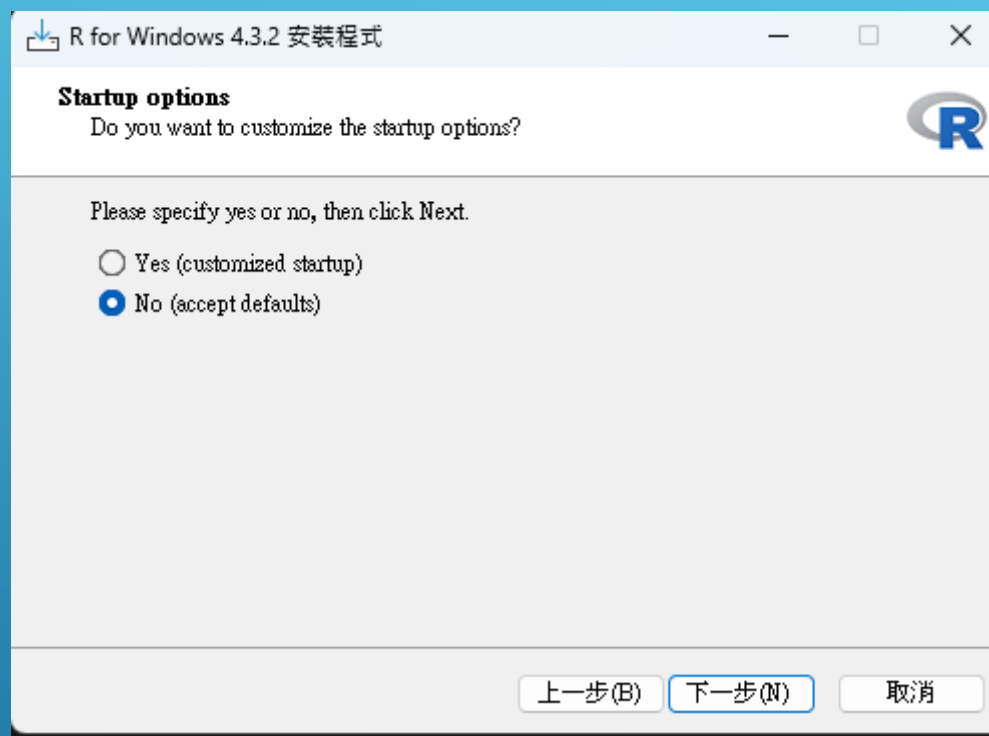
# 選擇安裝目標資料夾



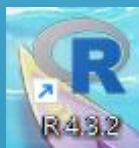
# 這邊都打勾即可



# 這邊看有沒有自訂需求



最後順著安裝精靈就可以裝完R了





# 安裝RSTUDIO(安裝前請確定已經裝了R)



# 一樣先搜尋RSTUDIO

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Rstudio



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約有 48,500,000 項結果 (搜尋時間：0.23 秒)



Posit

<https://posit.co/download/rstudio-desktop/> 翻譯這個網頁

## RStudio Desktop

Used by millions of people weekly, the integrated development environment (IDE) is a set of tools built to help you be more productive with R and ...

[Pricing](#) · [R Packages](#) · [Posit Cloud](#) · [Cheatsheets](#)



維基百科

<https://zh.wikipedia.org/zh-tw/RStudio>

## RStudio - 維基百科，自由的百科全書

**RStudio**是為R語言設計的一種跨平台整合開發環境。其特色包括可客製化的軟體套件視覺化介面與同團隊開發的一系列數據可視化與出版工具。RStudio有免費的自由軟體版本及 ...



Posit

<https://posit.co/downloads/> 翻譯這個網頁

## Download RStudio

Download **RStudio**: Syntax highlighting, code completion, and smart indentation. Execute R



## RStudio

軟體：

RStudio是為R語言設計的一種跨平台整合開發環境。其特色包括可客製化的軟體套件視覺化介面與同團隊開發的一系列數據可視化與出版工具。RStudio有免費的自由軟體版本及收費的專業版本，並分為在本地電腦上執行的桌面版和與在伺服器上執行而可由瀏覽器連接後使用的伺服器版。維基百科

當前版本：：2023.06.0+421 (2023年6月8日);

# 點擊下載

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## 1: Install R

RStudio requires R 3.3.0+. Choose a version of R that matches your computer's operating system.

[DOWNLOAD AND INSTALL R](#)

## 2: Install RStudio

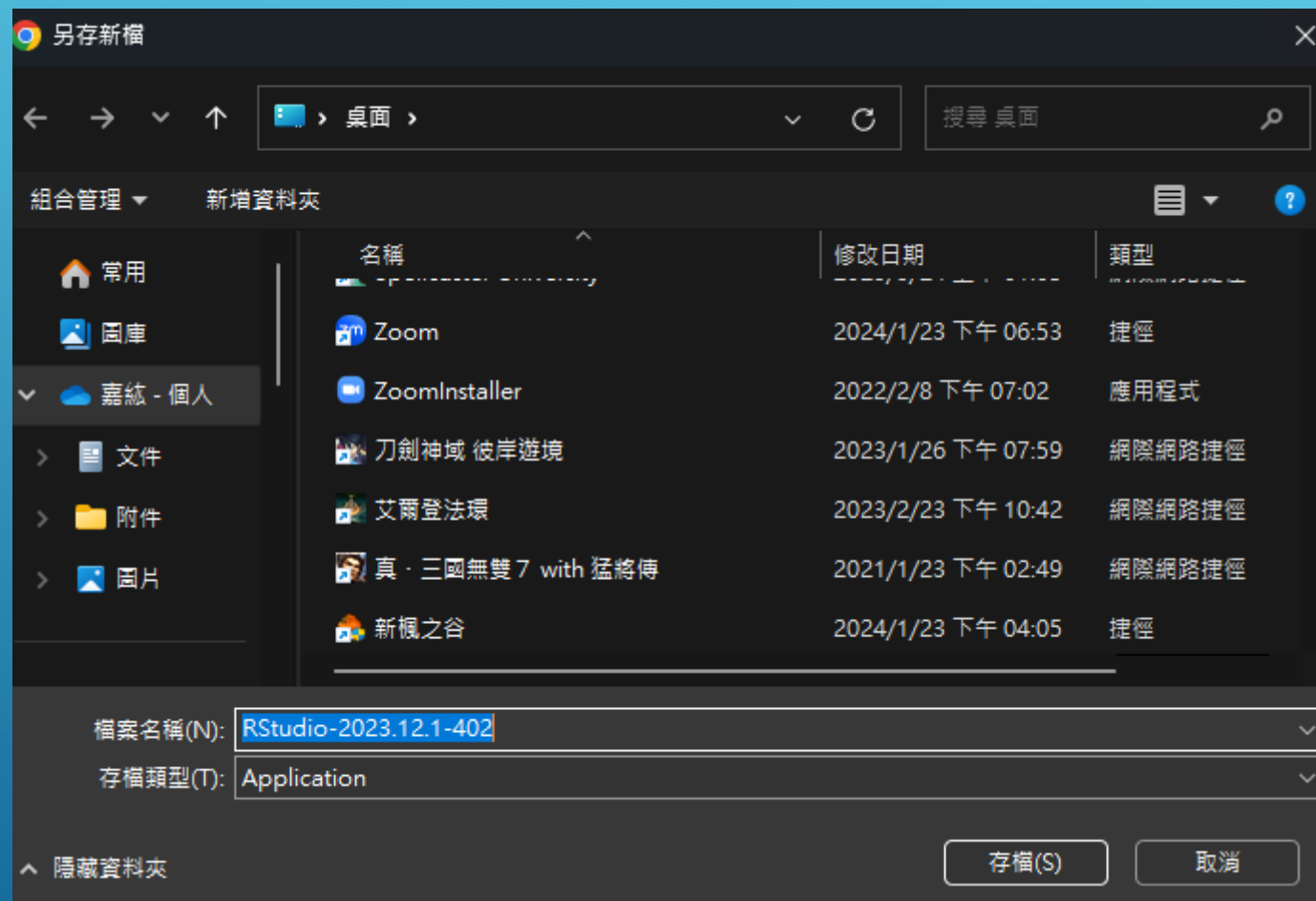
[DOWNLOAD RSTUDIO DESKTOP FOR WINDOWS](#)

Size: 215.66 MB | [SHA-256: D3C03C42](#) | Version:  
2023.12.1+402 | Released: 2024-01-29


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[ACCEPT ALL](#)[COOKIE SETTINGS](#)

# 選擇下載位置



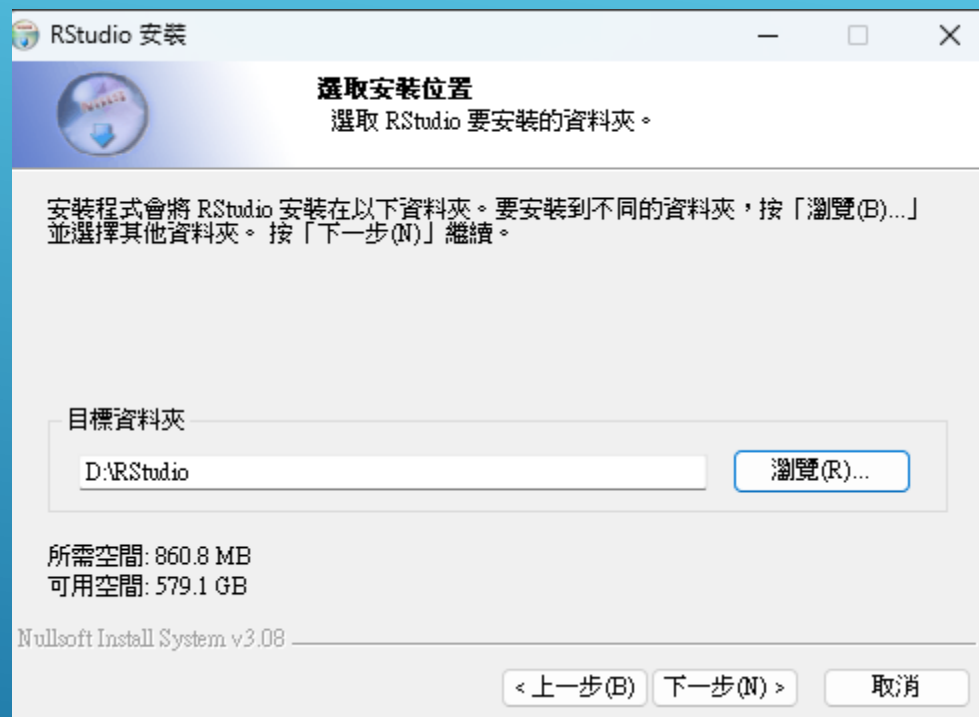
# 下載完後打開

|   |                    |      |            |
|---|--------------------|------|------------|
|  RStudio-2023.12.1-402 | 2024/2/14 上午 02:02 | 應用程式 | 210,610 KB |
|---|--------------------|------|------------|

# 順著安裝精靈進行安裝

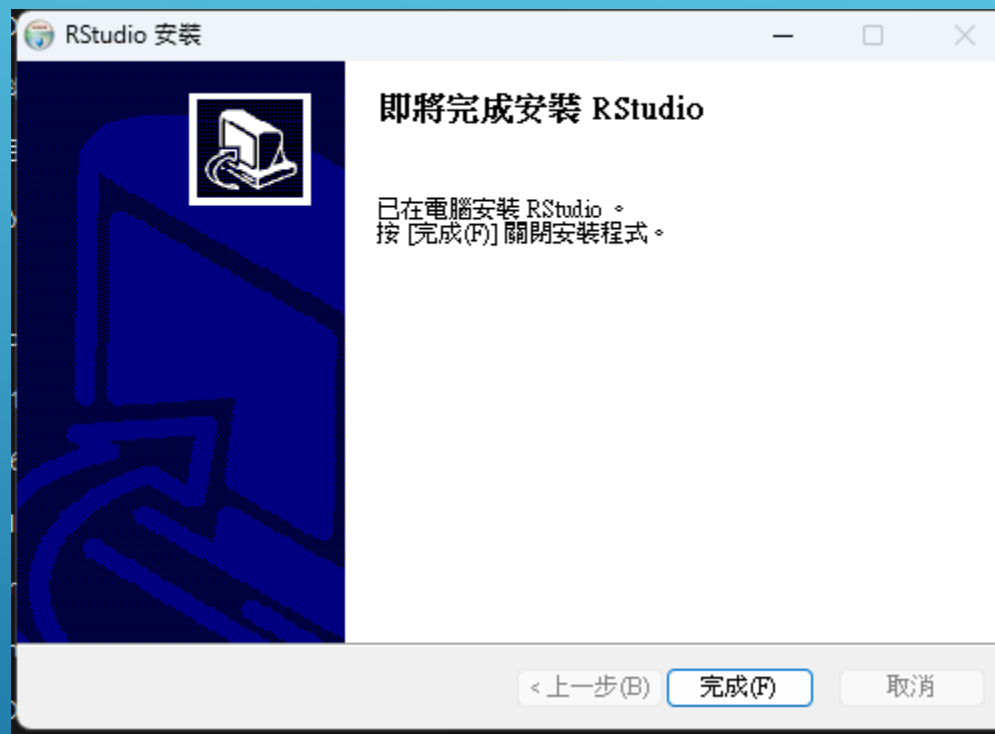


# 選擇安裝位置

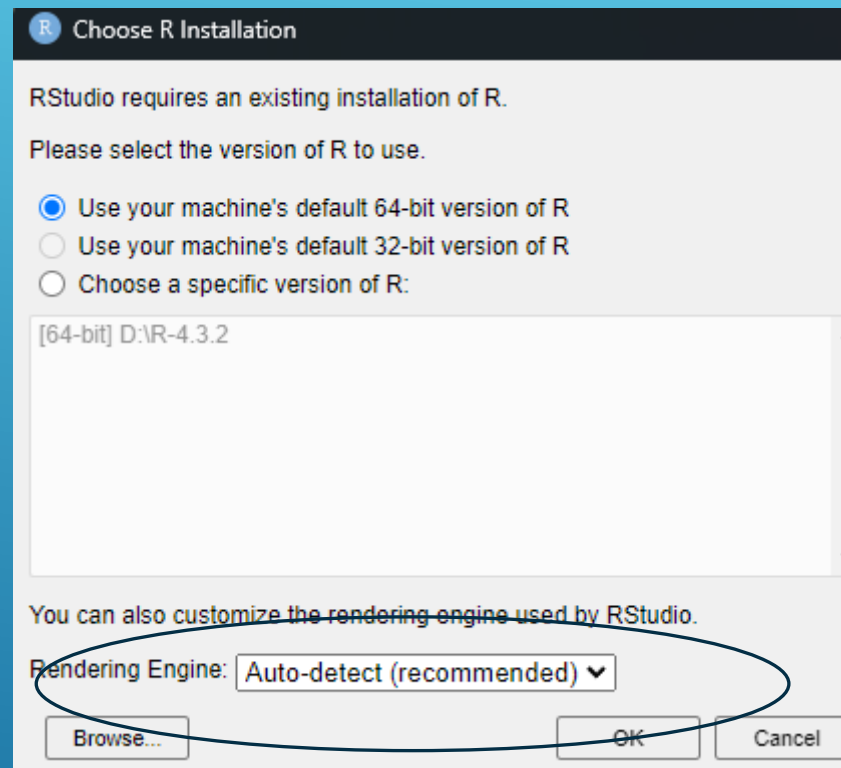




# 完成安裝



# 初次點開RSTUDIO他會有些基本的設定選擇**AUTO**即可

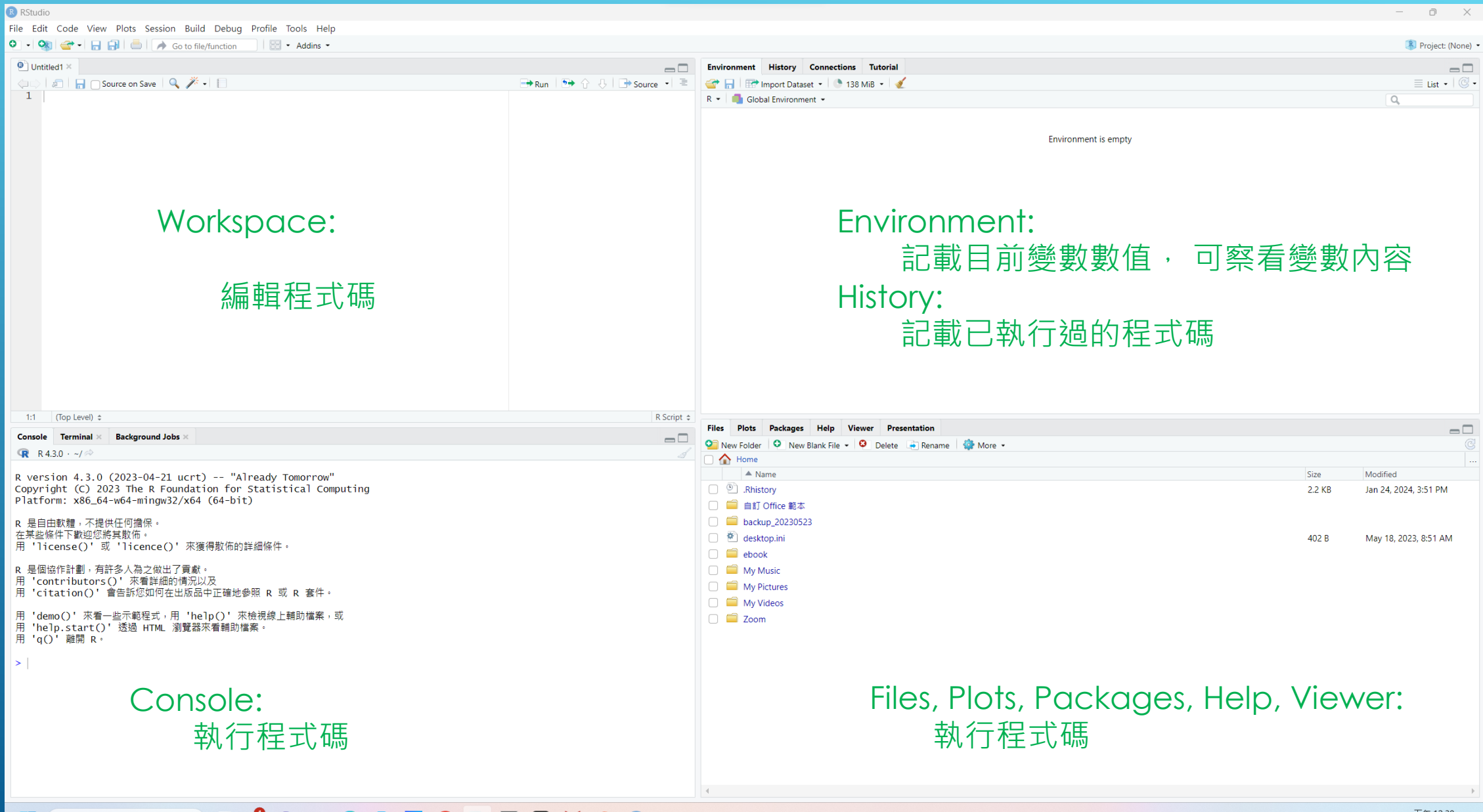


# 完成

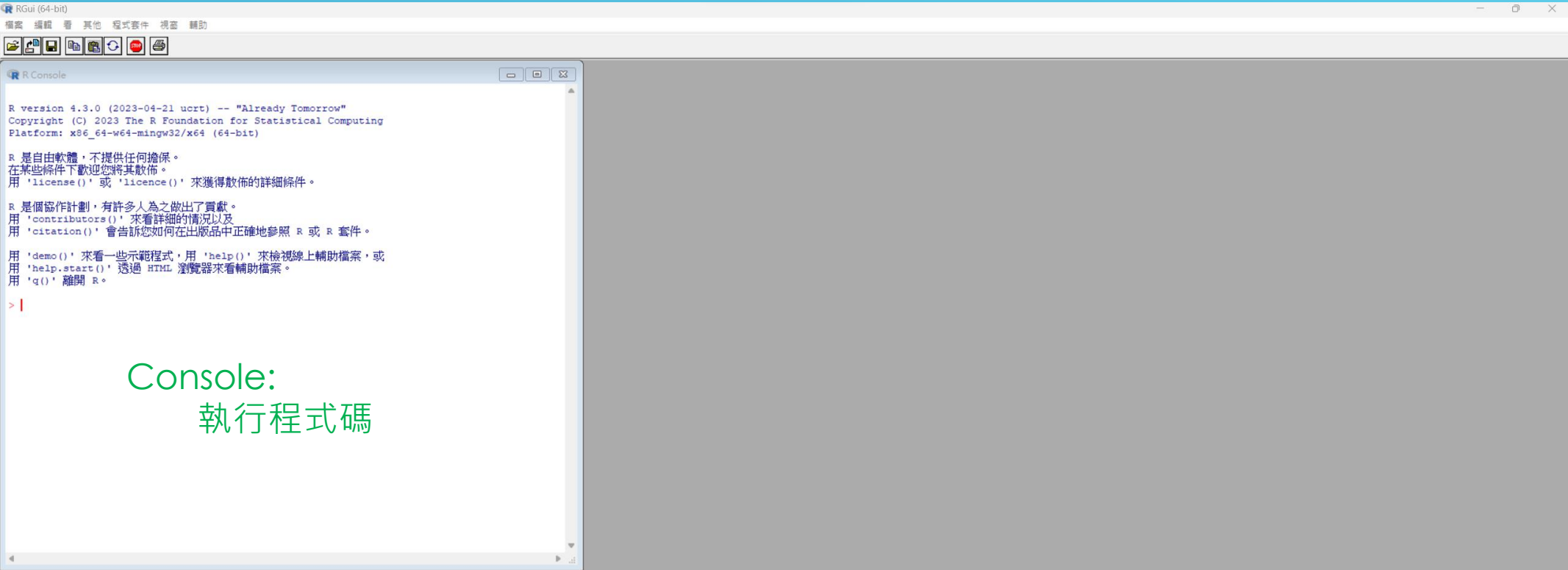
The screenshot displays the RStudio environment with the following components:

- Source Editor:** Contains a single line of code: `1`.
- Console:** Shows the R startup message for version 4.3.2 (2023-10-31 ucrt) on a 64-bit Windows platform. It includes the copyright notice for The R Foundation and mentions that R is free software with no warranty.
- Environment Pane:** Lists the objects in the Global Environment. The objects and their types are:
  - `clogit_model`: List of 22
  - `coe.boot`: num [1:41, 1:13] -18.7 -18.8 -1...
  - `coe.out.all`: num [1:42, 1:13] -19 -18.7 -18...
  - `data`: 8 obs. of 4 variables
  - `data.boot`: 6000 obs. of 11 variables
  - `data.s`: 6000 obs. of 11 variables
  - `fisher_info...`: num [1:3, 1:3] 0.967 -1.086 -1...
  - `model`: Large glm (30 elements, 4.4 MB)
  - `pop_data`: 47 obs. of 6 variables
  - `r`: Large clogit (21 elements, 1.1...
  - `r.boot`: Large clogit (21 elements, 1 M...
  - `x.boot`: Large matrix (30000 elements, ...
  - `x.mat`: 144 obs. of 5 variables
  - `x.mat.age`: num [1:144, 1:9] 1 1 1 1 1 1 1 ...
  - `x.s`: num [1:6000, 1:5] 2 3 5 5 1 1 2...
  - `xb.k1.tms1`: num [1:5000, 1:1] 2.472 2.552
- Files Pane:** Shows the file explorer for the Home directory. The files listed are:
  - `.RData`: 584.3 KB, Jan 25, 2024, 20
  - `.Rhistory`: 16.5 KB, Feb 4, 2024, 11
  - `132365.jpg`: 67.2 KB, Oct 5, 2021, 1:3
  - `20240103演算法.pdf`: 82.3 KB, Jan 3, 2024, 1:0
  - `410874032_藝設三_潘慧君_心得報...`: 6.8 MB, Oct 5, 2021, 2:2

# R-studio 介面:

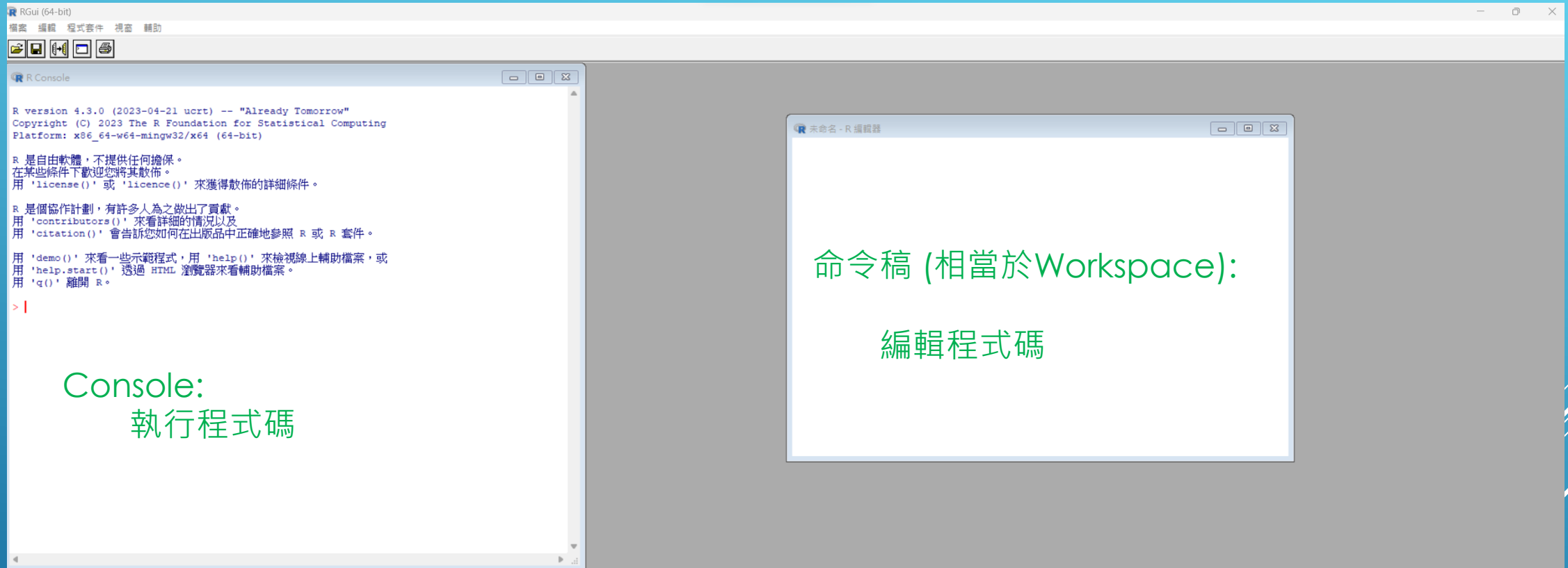


# R介面:



Console:  
執行程式碼

## R介面: 檔案 → 建立新的命令稿



## References:

1. 介紹 R-studio 及一些基本指令: (網站如下)

[https://joe11051105.gitbooks.io/r\\_basic/content/variable\\_and\\_data/variable.html](https://joe11051105.gitbooks.io/r_basic/content/variable_and_data/variable.html)

Several white lines of varying lengths and thicknesses are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.