

# What is R?



Introduction to R

R version 3.4.2 (2017-09-28) -- "Short Summer"  
Copyright (C) 2017 The R Foundation for Statistical Computing  
Platform: x86\_64-apple-darwin15.6.0 (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.  
You are welcome to redistribute it under certain conditions.  
Type 'license()' or 'licence()' for distribution details.

Natural language support but running in an English locale

R is a collaborative project with many contributors.  
Type 'contributors()' for more information and  
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or  
'help.start()' for an HTML browser interface to help.  
Type 'q()' to quit R.

**[Previously saved workspace restored]**

[>

]

[>

]

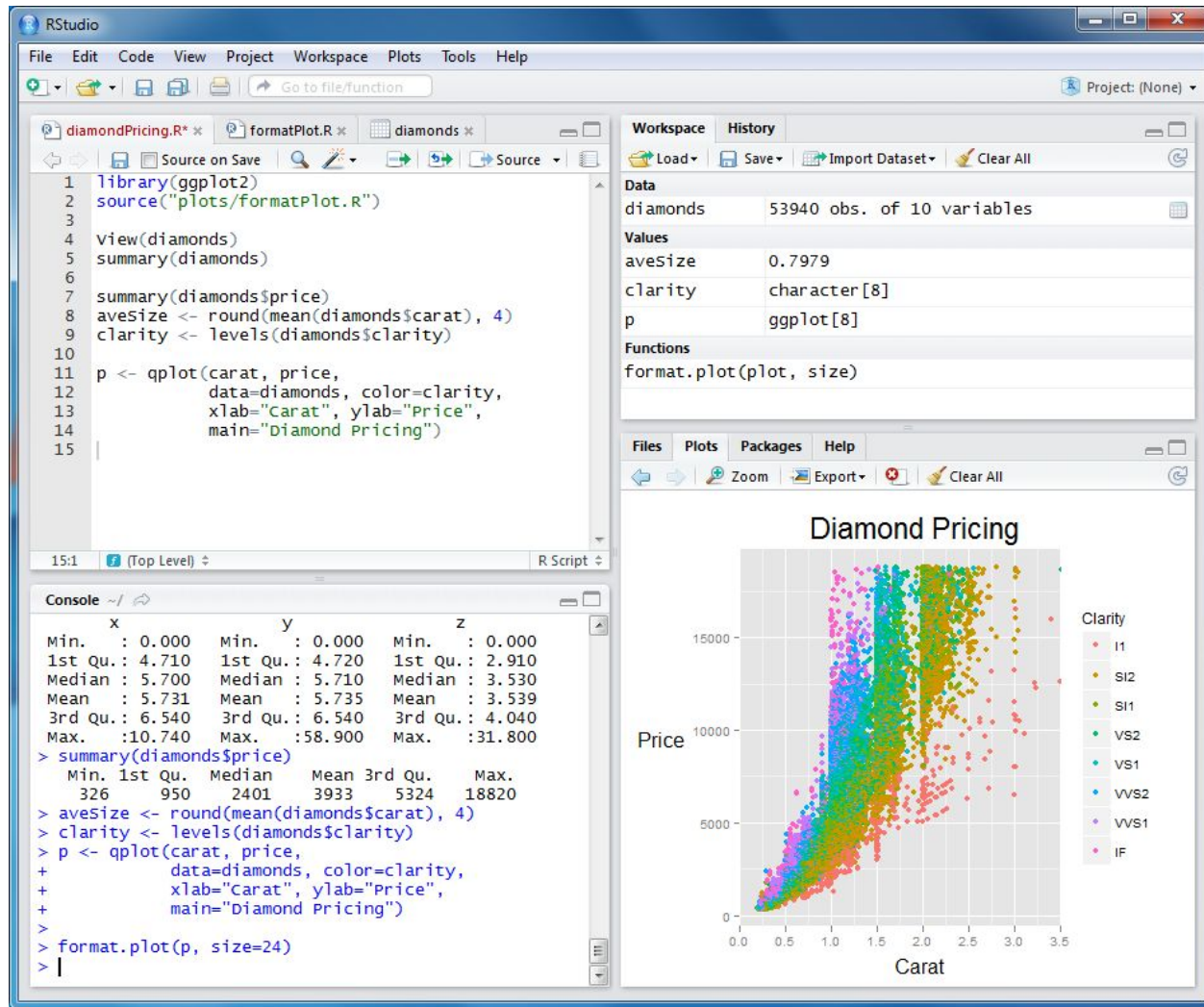
> █



**[Previously saved workspace restored]**

[>	]
[>	]
[> 3+7	]
[1] 10	
[>	]
[>	]
[>	]
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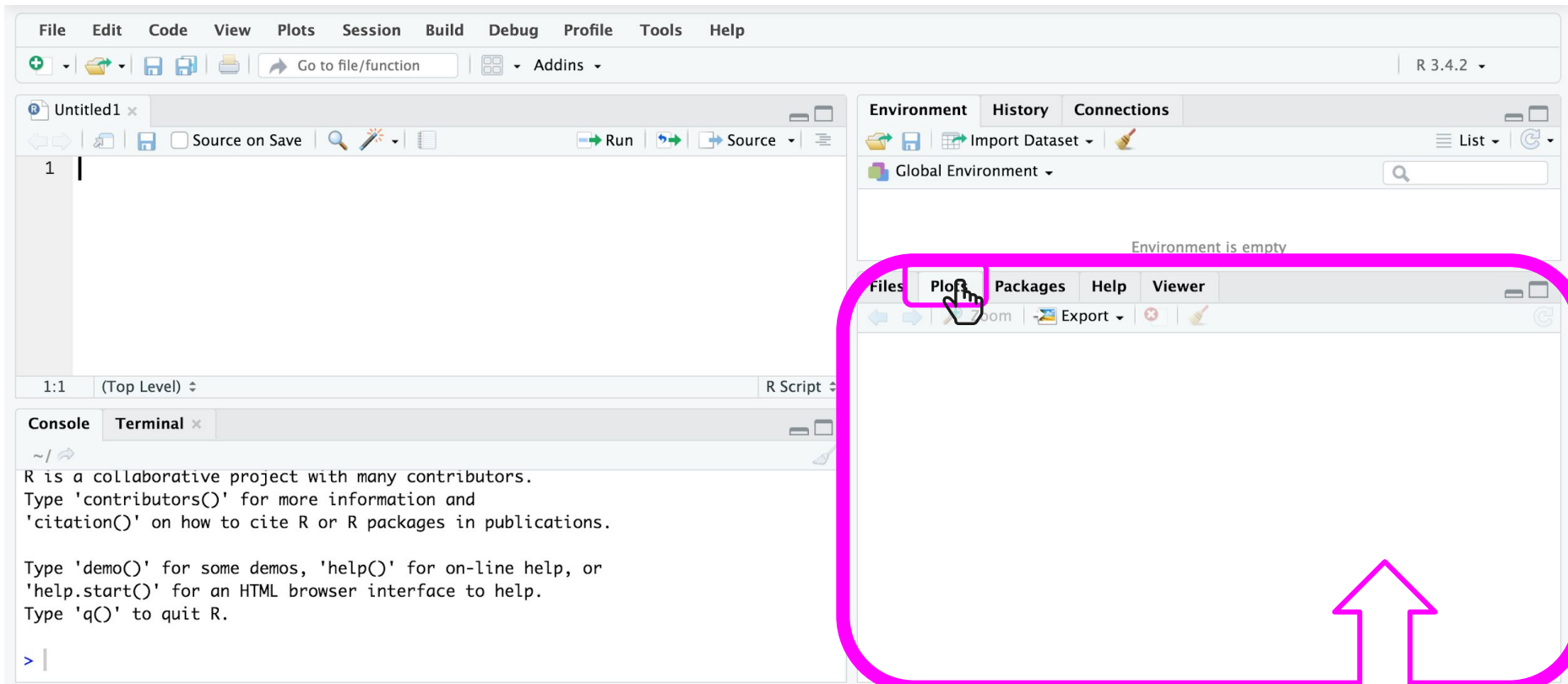


This opens up a new place where your code will be typed.

The objects created by your analysis will be here. We'll talk about what that means later

The image shows the RStudio IDE interface with four numbered callouts:

- 1** Points to the **Source** editor, which is used for typing code. It shows a file named "Untitled1" with a line number 1.
- 2** Points to the **Console** and **Terminal** panels at the bottom left, where code is executed. The console shows the R startup message and prompts for help.
- 3** Points to the **Environment** panel at the top right, which displays the objects created during the analysis. It shows "Global Environment" and "Environment is empty".
- 4** Points to the **Files** panel at the bottom right, which shows the project's file structure. It lists folders like "project" and "R".



Plots you generate will  
show up in here under the  
'Plots' tab!



**Ross Ihaka**  
Co-developer of R

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**Robert Gentleman**  
Co-developer of R

<https://researchers.23andme.org/robert-gentleman-phd>

1993



**J.J. Allaire**  
CEO at RStudio

[www.Linkedin.com](http://www.Linkedin.com)



2010







The process can be frustrating and hard.





Data scientists fail *all the time*

