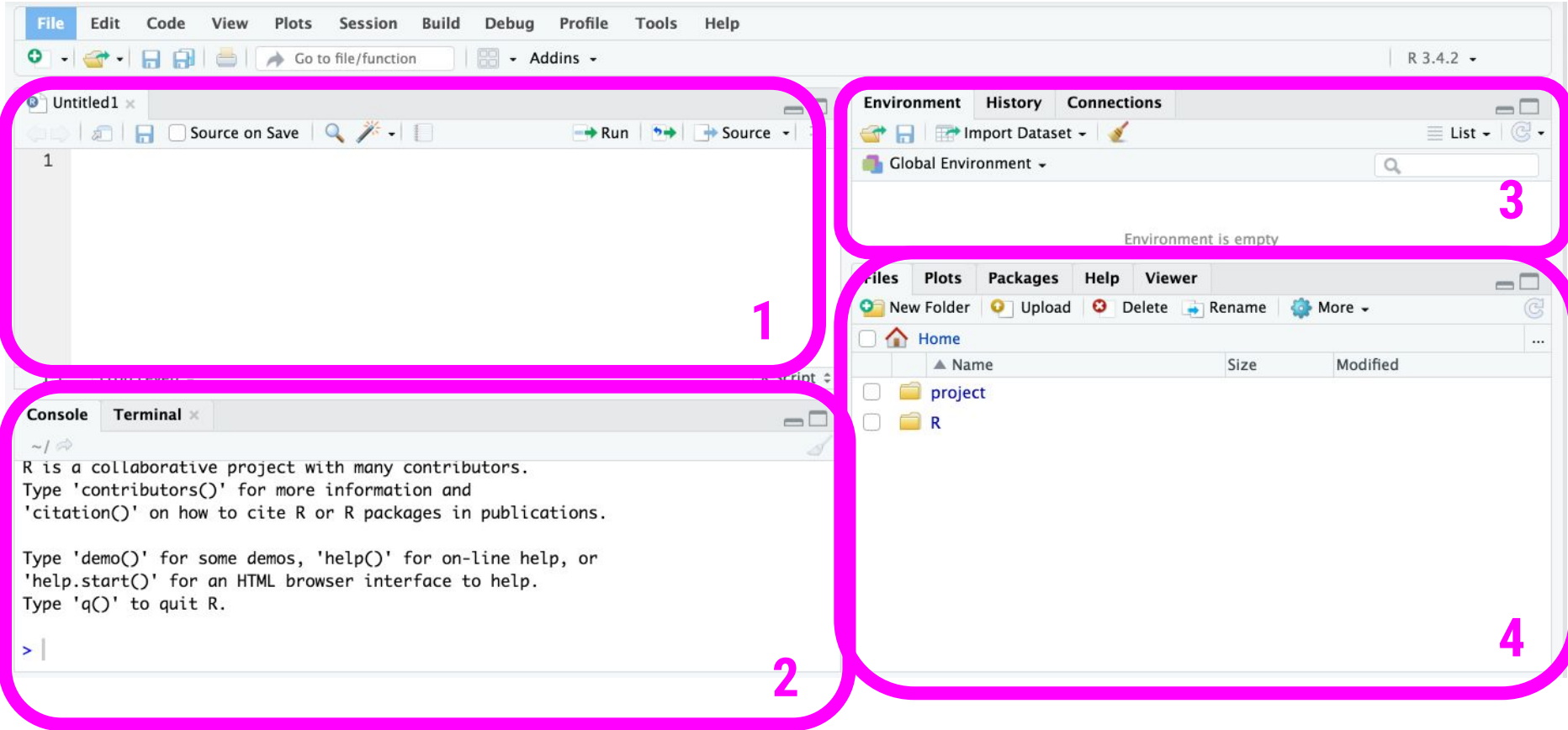


RStudio Cloud

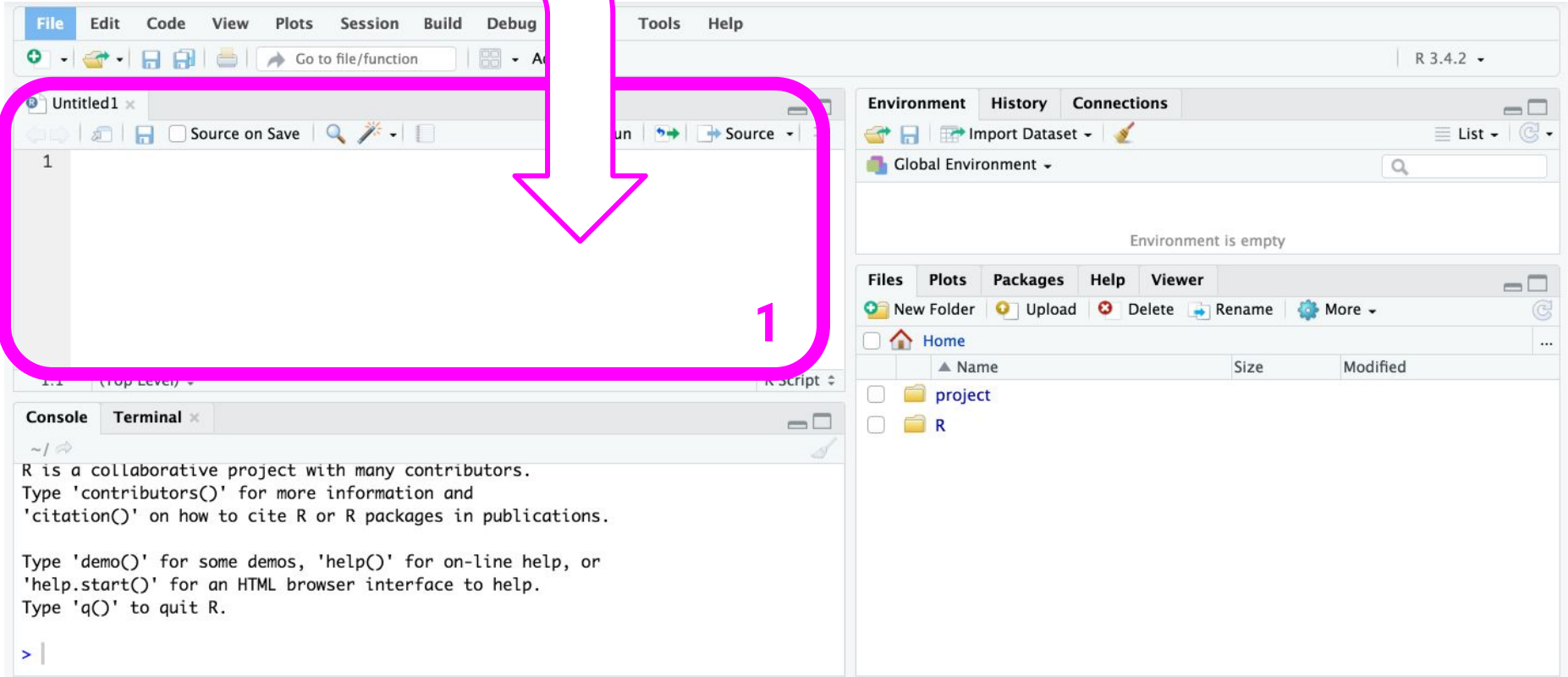


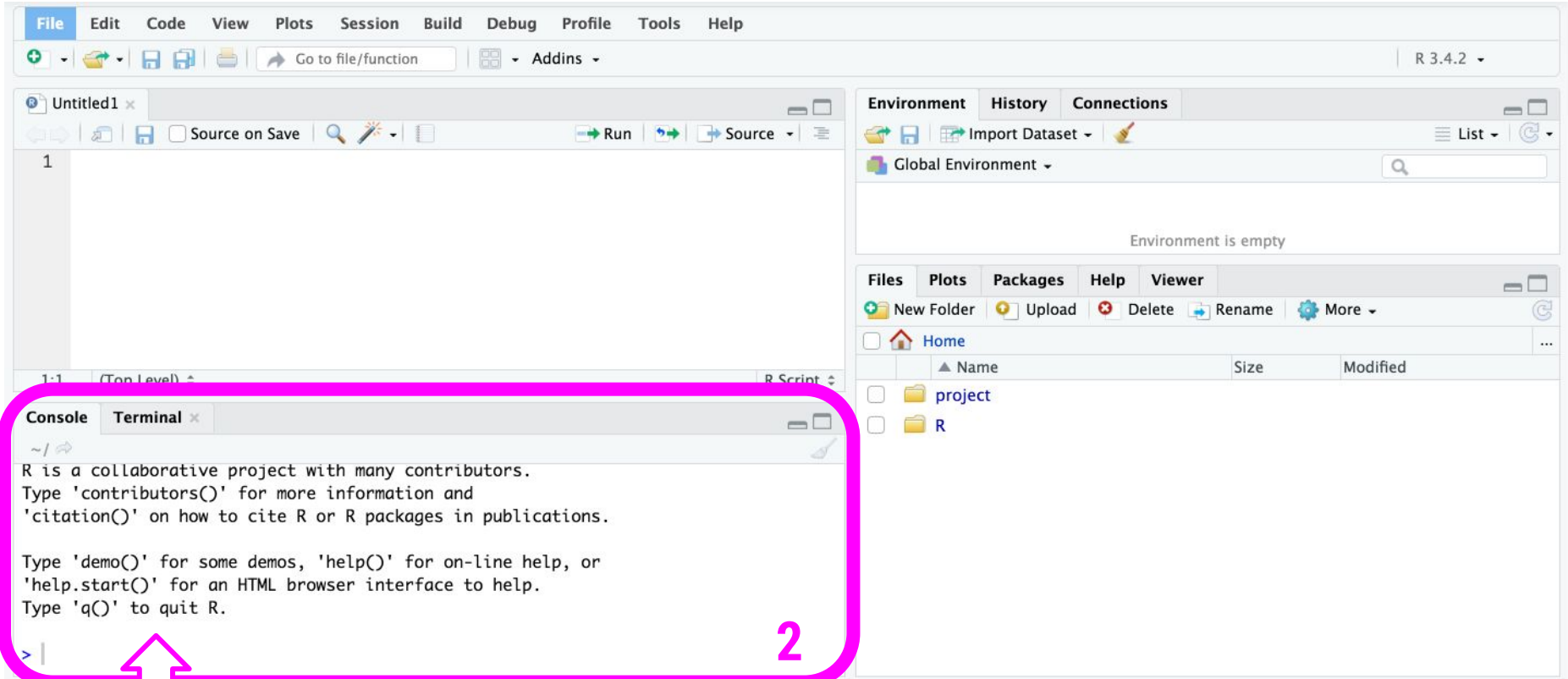
Introduction to Chromebook Data Science





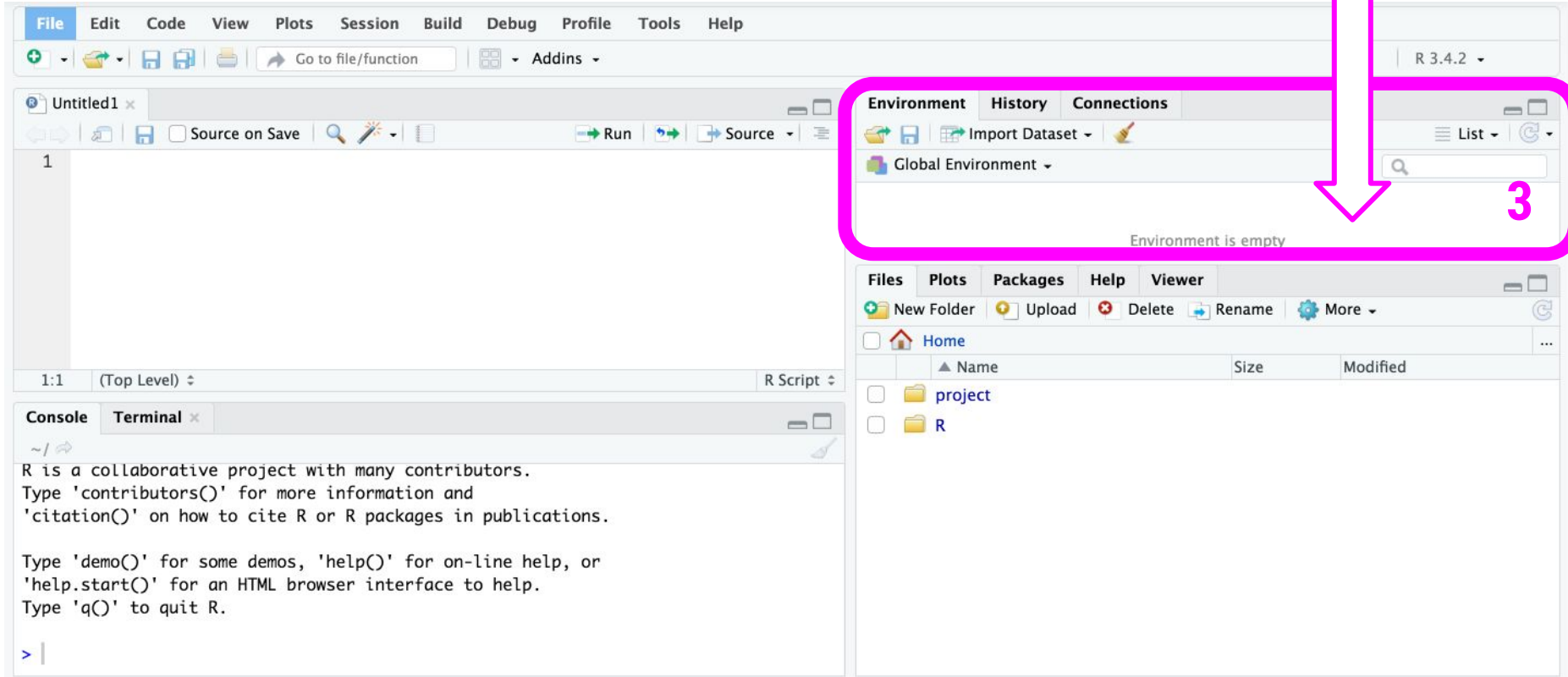
This opens up a new
place where your
code will be typed.

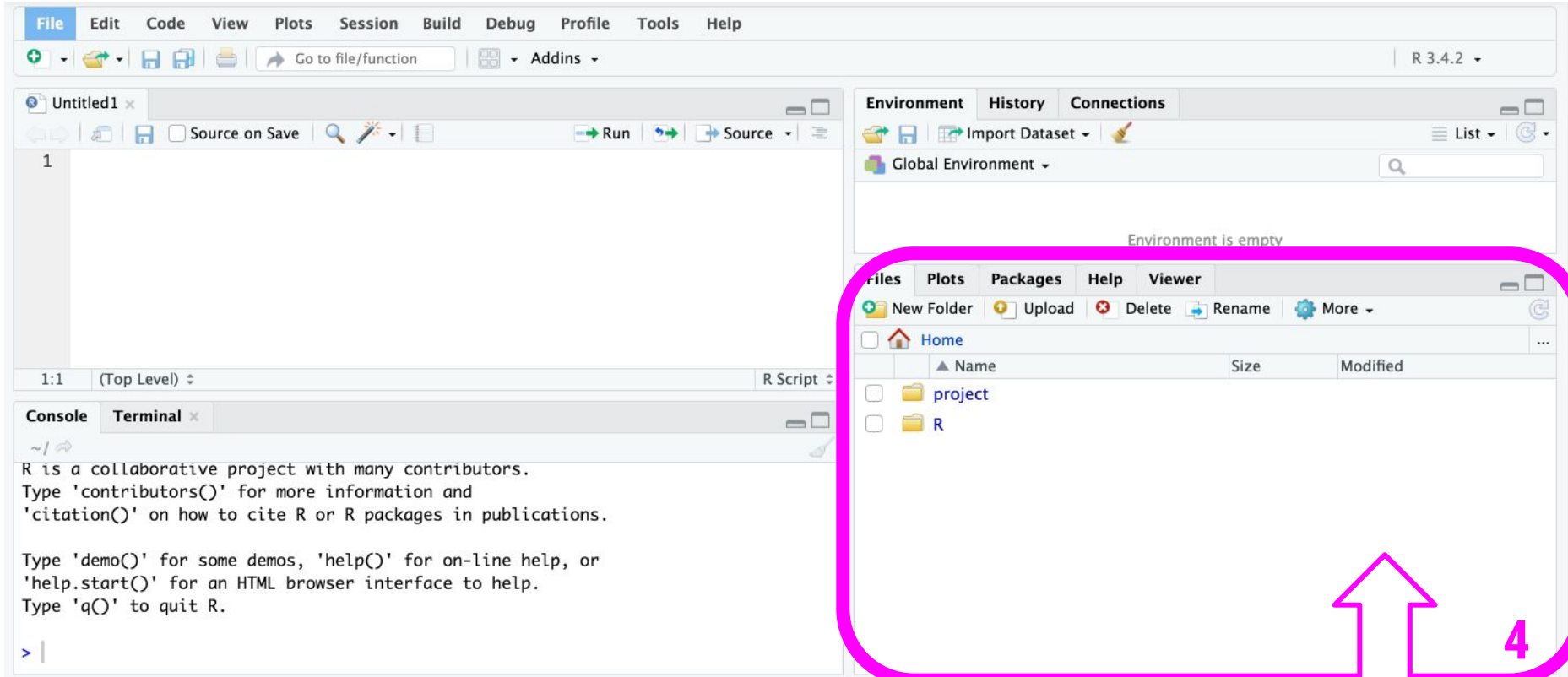




Down here is where your
code is sent to run

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





In here is where you will
see all the files that are
part of your project

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins R 3.4.2

Untitled1 x

Source on Save Run Source

1

1:1 (Top Level) R Script

Console Terminal

~/

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.

> |

Environment History Connections

Import Dataset

Global Environment

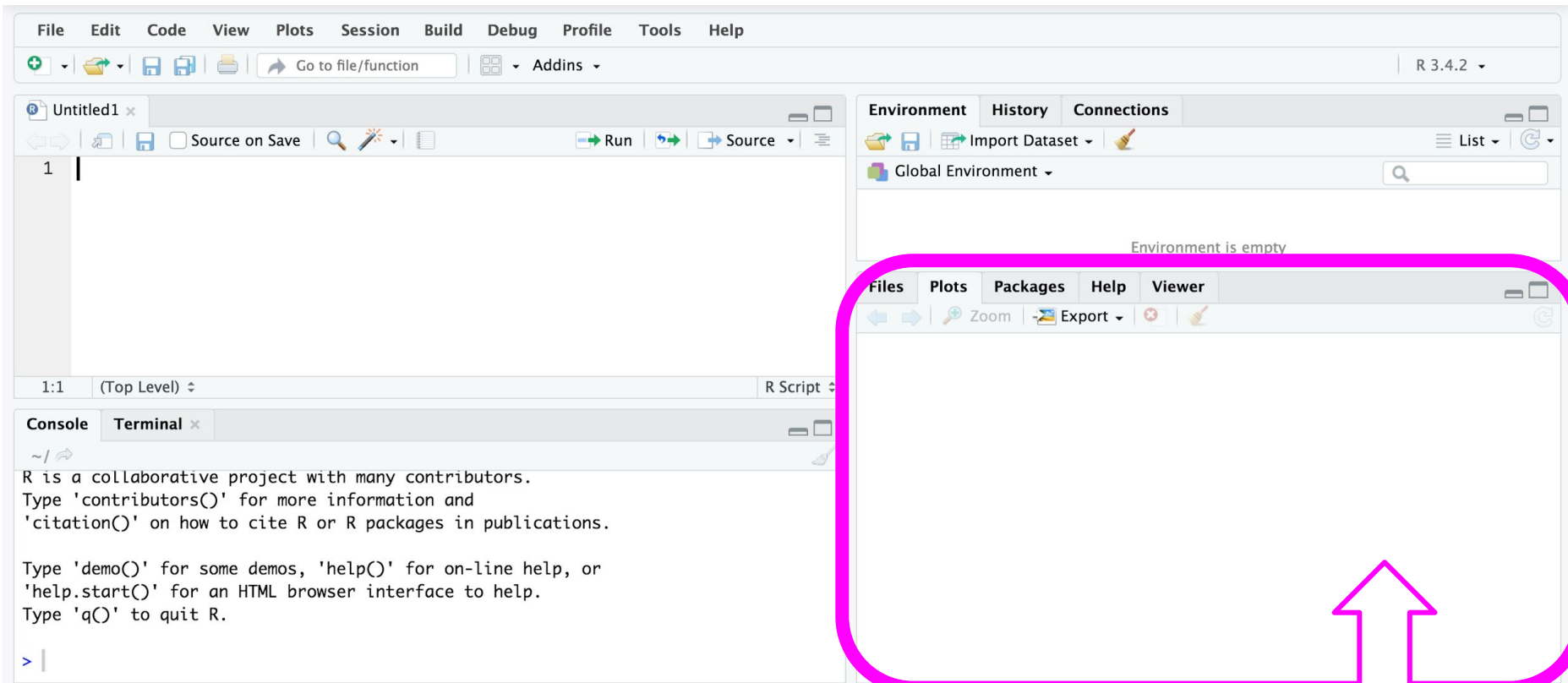
Environment is empty

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

Home

	Name	Size	Modified
<input type="checkbox"/>	project		
<input type="checkbox"/>	R		



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

Project Question:

“How does the price of a bestselling book relate to how much the author is charging for that book?”



All Projects

Leanpub Project



Jeff Leek

Created Jan 5, 2018 3:28 PM

New Project 



Options 

Search Projects

List Projects

- ☒ All
- ☐ Shared with everyone
- ☐ Yours

Sort Projects

- ☒ By name
- ☐ By date created

Intro to Chromebook
Data Science

Introduction to chromebook data science



All Projects

Leanpub Project



Jeff Leek

Created Jan 5, 2018 3:28 PM

[View 2 forks ...](#)

New Project



≡ Intro To Chromebook Data Science / Untitled Project ↩ *Click to name your project*

Title your project here:
leanpub_project_lastname



≡ Intro To Chromebook Data Science / leanpub_project_doe

If your last name were Doe,
it would look like this



FileEditCodeViewPlotsSessionBuildDebugProfileToolsHelp

Go to file/function

Addins

R 3.4.2

ConsoleTerminal

R version 3.4.2 (2017-09-28) -- "Short Summer"
Copyright (C) 2017 The R Foundation for Statistical Computing
Platform: x86_64-pc-linux-gnu (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.

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.

> |

EnvironmentHistoryConnections

Import Dataset

Global Environment

Environment is empty

FilesPlotsPackagesHelpViewer

New FolderUploadDeleteRenameMore

Home

	Name	Size	Modified
<input type="checkbox"/>	leanpub_googlesheets_analysis.R	474 B	Jan 11, 2018, 11:24 AM
<input type="checkbox"/>	project		
<input type="checkbox"/>	ProjectFiles		
<input type="checkbox"/>	R		

1

FileEditCodeViewPlotsSessionBuildDebugProfileToolsHelp

R 3.4.2

leanpub_googleheets_analysis.R

Source on SaveRunSource

```
1 ## get function needed to check data
2 source('ProjectFiles/packages.R')
3 source('ProjectFiles/check_data.R')
4
5 ## load necessary R packages
6 library(googleheets)
7 library(dplyr)
8 library(ggplot2)
9
10 ## register your Google sheet
11 (Top Level)
```

R Script

ConsoleTerminal

>

EnvironmentHistoryConnections

Import Dataset

List

Global Environment

Environment is empty

FilesPlotsPackagesHelpViewer

New FolderUploadDeleteRenameMore

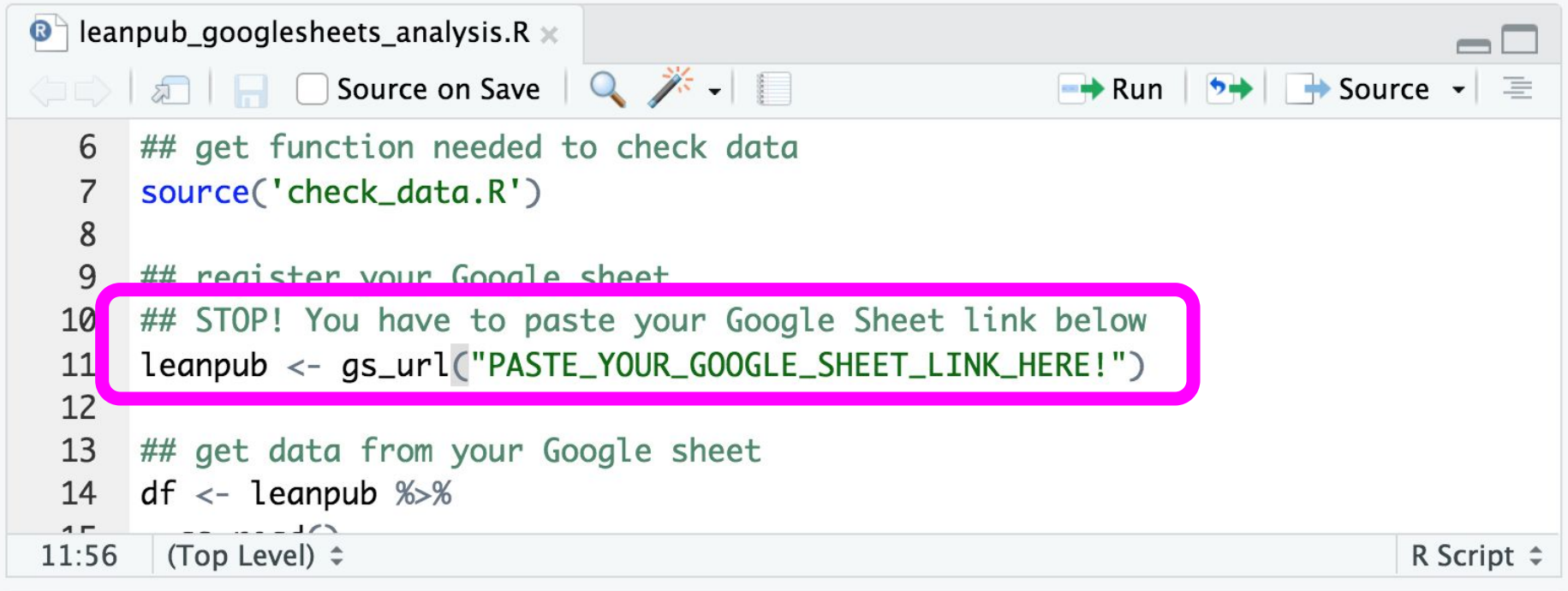

Home

	Name	Size	Modified
<input type="checkbox"/>	leanpub_googleheets_analysis.R	578 B	Jan 11, 2018, 12:16 PM
<input type="checkbox"/>	project		
<input type="checkbox"/>	ProjectFiles		
<input type="checkbox"/>	R		






leanpub_google sheets_analysis.R x


← →


 


☐ Source on Save



 Run

 Source



```
6  ## get function needed to check data
7  source('check_data.R')
8
9  ## register your Google sheet
10 ## STOP! You have to paste your Google Sheet link below
11 leanpub <- gs_url("PASTE_YOUR_GOOGLE_SHEET_LINK_HERE!")
12
13 ## get data from your Google sheet
14 df <- leanpub %>%
15   summarise()
```

11:56 (Top Level) ↕ R Script ↕

```
leanpub_googlesheets_analysis.R* x
Source on Save
Run Source
6 ## get function needed to check data
7 source('check_data.R')
8
9 ## register your Google sheet
10 ## STOP! You have to paste your Google Sheet link below
11 leanpub <- gs_url("https://docs.google.com/spreadsheets/d/19s1jHvx3kh9TYpSSTUGENrix7viubXt06BdCanMHa9w")
12
13 ## get data from your Google sheet
14 df <- leanpub %>%
15   gs_read()
11:103 (Top Level) R Script
```



Secure

<https://docs.google.com/spreadsheets/d/19s1jHvx3kh9TYpSSTUGENrix7viubXtO6BdCanMHa9w/edit#gid=0>



leanpub_data



File Edit View Insert Format Data Tools Add-ons Help All changes saved in Drive

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Link sharing on [Learn more](#)

Anyone with the link **can view** ▼

Copy link

<https://docs.google.com/spreadsheets/d/19s1jHvx3kh9TYpSSTUGENrix7viubXtO6BdCanMHa9w/edit#gid=0>

People

Enter names or email addresses...



Done

<https://docs.google.com/spreadsheets/d/19s1jHvx3kh9TYpSSTUGENrix7viubXtO6BdCanMHa9w/edit?usp=sharing>

leanpub_googlesheets_analysis.R x

Source on Save

Run

Source

```
1 ## get function needed to check data
2 source('project/check_data.R')
3 ## install necessary packages
4 source('project/packages.R')
5
6 ## load necessary R packages
7 library(googlesheets)
8 library(dplyr)
9 library(ggplot2)
```

24:1 (Top Level) R Script

Console Terminal

~/

'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.

>
>
> |

Environment History Connections

Import Dataset

Global Environment

Environment is empty

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

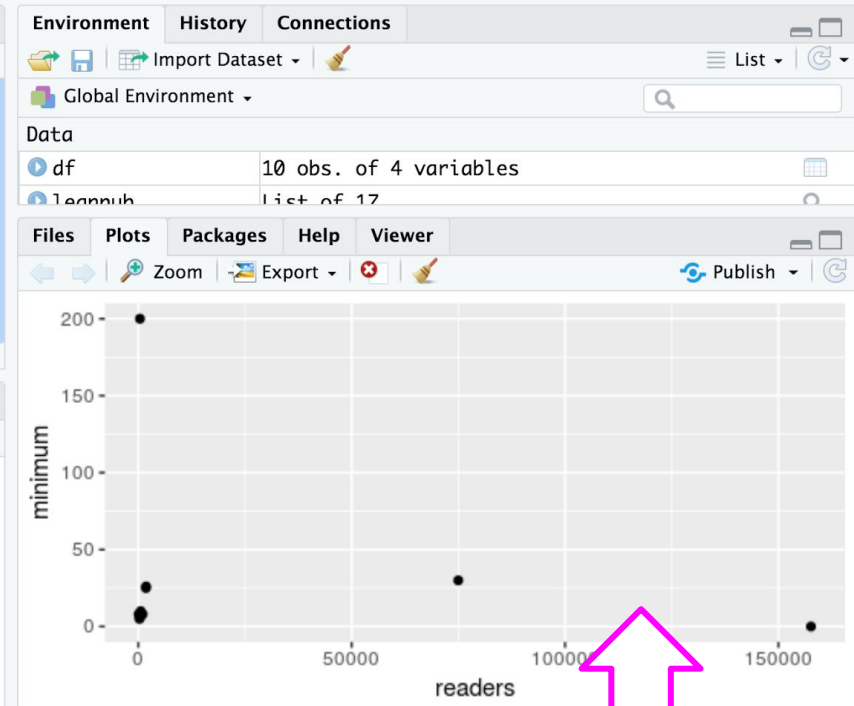
Home

	Name	Size	Modified
<input type="checkbox"/>	leanpub_googlesheets_analysis.R	542 B	Jan 11, 2018, 1:41 PM
<input type="checkbox"/>	project		
<input type="checkbox"/>	R		

```
leanpub_googleheets_analysis.R x
Source on Save
Run
Source

1 ## get function needed to check data
2 source('project/check_data.R')
3 ## install necessary packages
4 source('project/packages.R')
5
6 ## load necessary R packages
7 library(googleheets)
8 library(dplyr)
9 library(ggplot2)
10
24:1 (Top Level) R Script
```

```
Console Terminal x
~/
>
> ## run a few checks on the data
> check_data(df)
[1] "Your spreadsheet has passed all checks. You're ready to plot!"
>
> ## plot relationships between cost and readers
> qplot(readers,minimum,data=df)
>
```



Plot should show up over here once you run the code

leanpub_googlesheets_analysis.R x

Source on Save Run Source

```
1 ## get function needed to check data
2 source('project/check_data.R')
3 ## install necessary packages
4 source('project/packages.R')
5
6 ## load necessary R packages
7 library(googlesheets)
8 library(dplyr)
9 library(ggplot2)
```

24:1 (Top Level) R Script

Console Terminal

~/
'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.

>
>
> |

Environment History Connections

Import Dataset

Global Environment

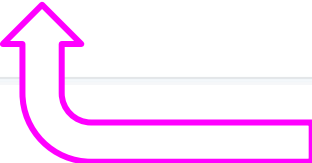
Environment is empty

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

Home

	Name	Size	Modified
<input type="checkbox"/>	leanpub_googlesheets_analysis.R	542 B	Jan 11, 2018, 1:41 PM
<input type="checkbox"/>	project		
<input type="checkbox"/>	R		



If plot doesn't show up to
the right, errors will be
down here.

