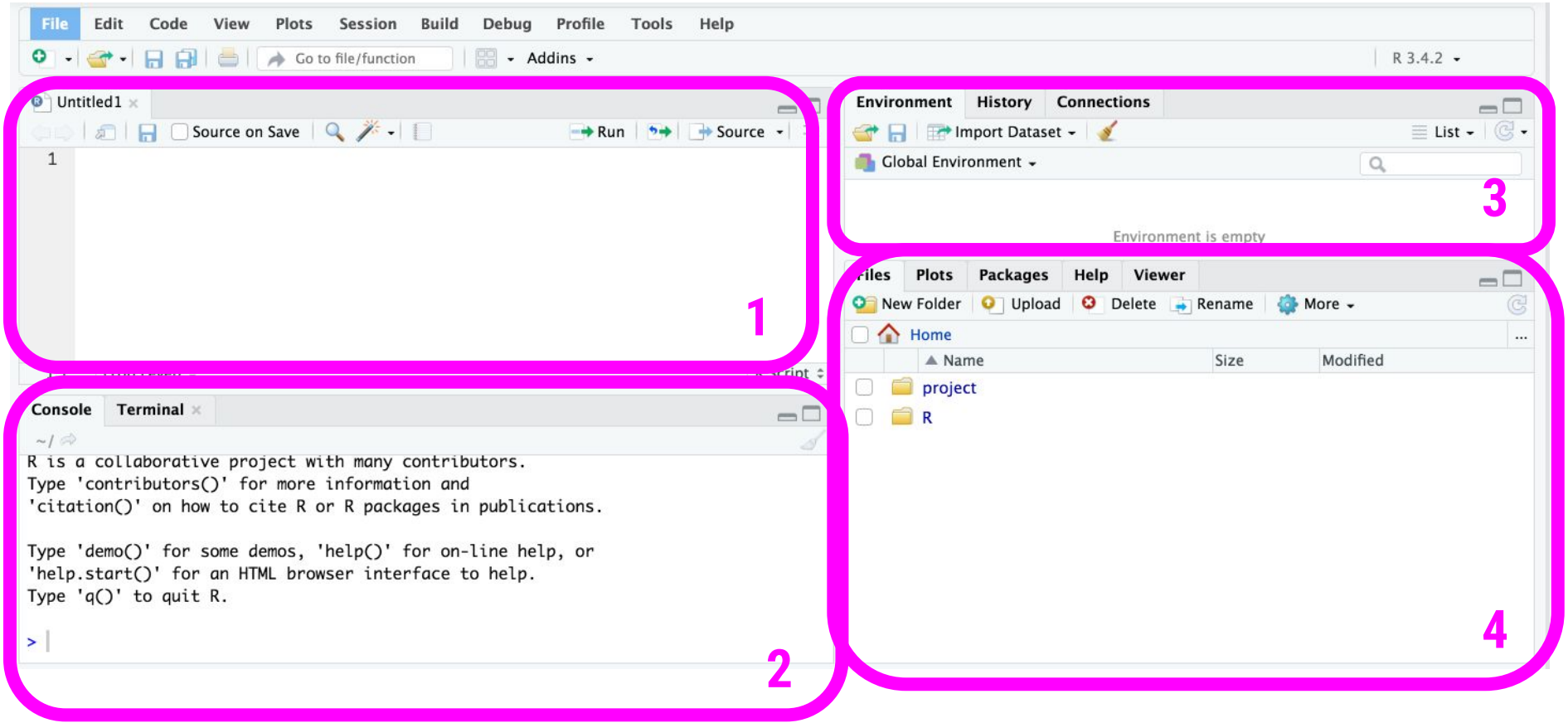
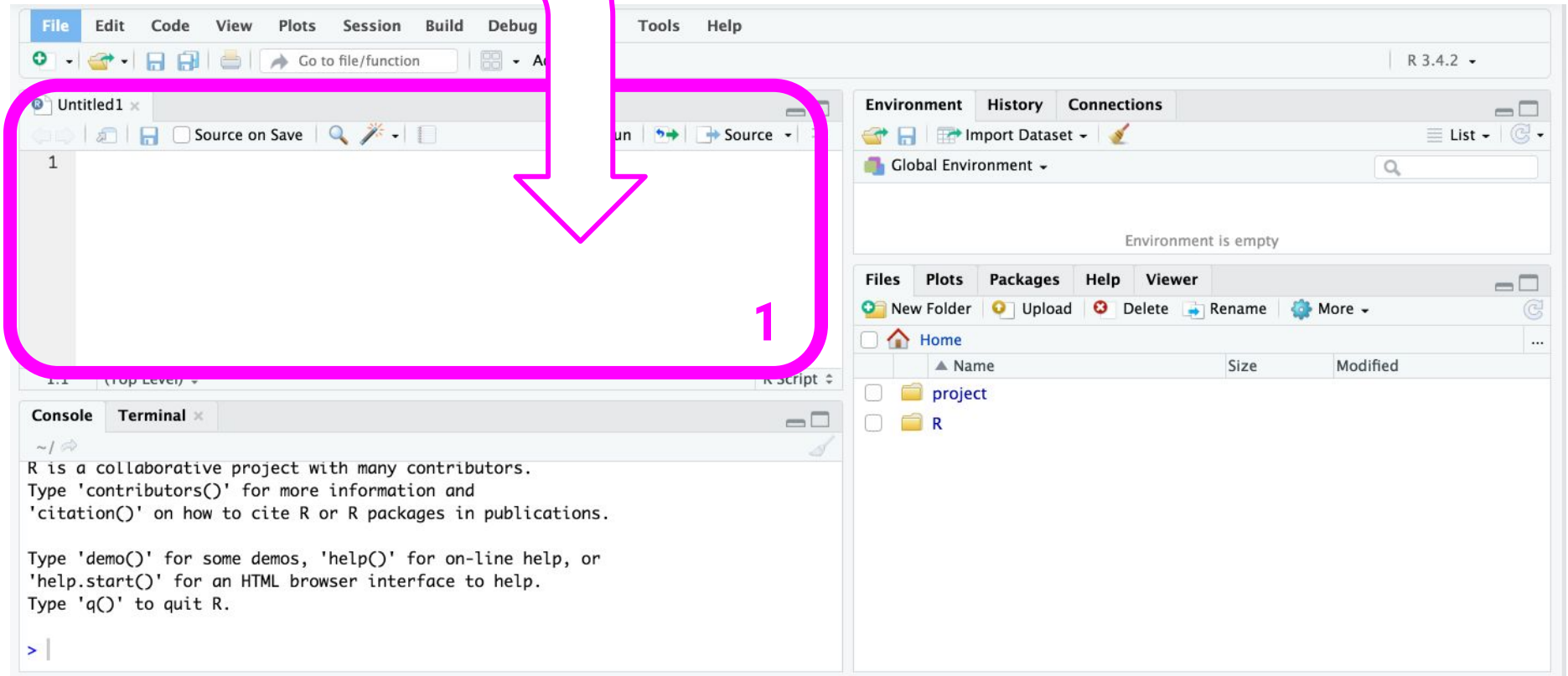
RStudio Cloud

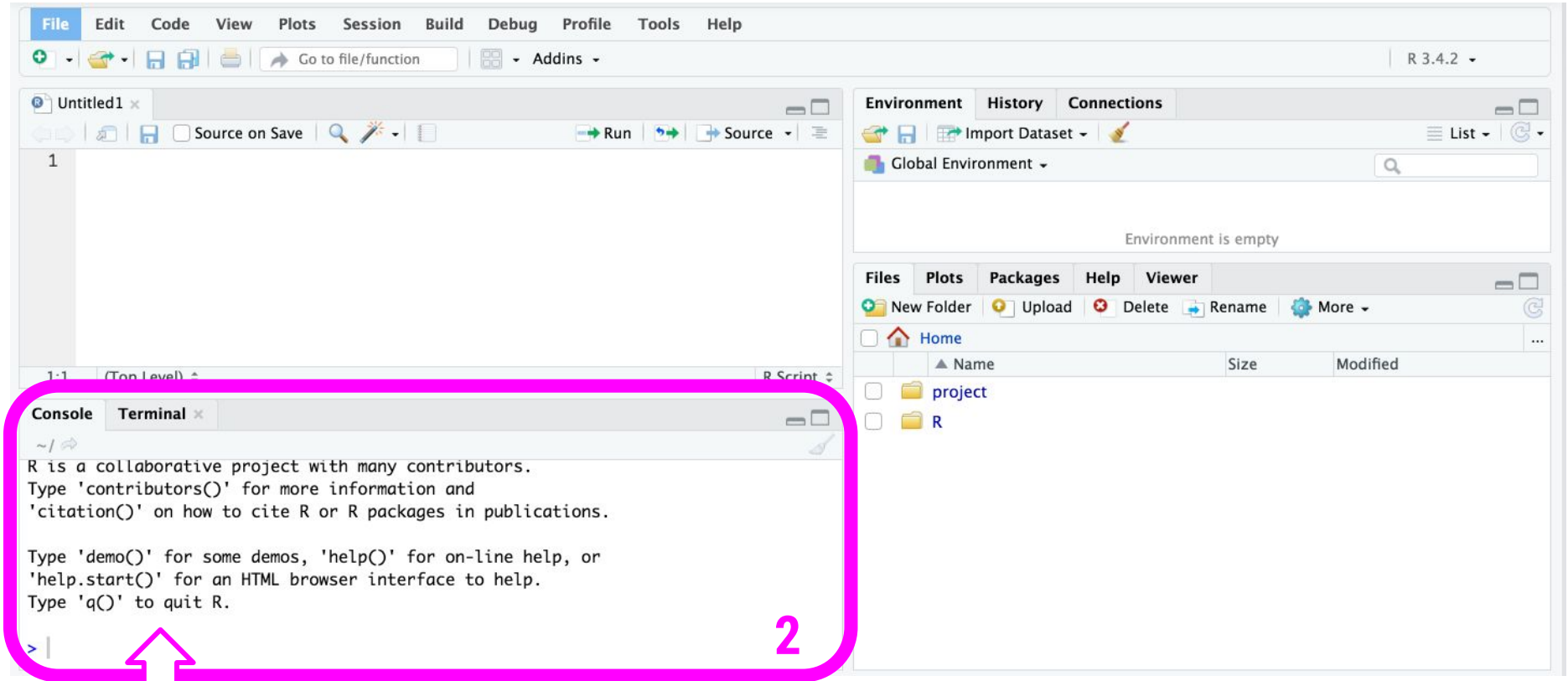
Introduction to Chromebook Data Science

R
Studio Cloud


File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function
Addins
R 3.4.2
Untitled1
Source on Save
Run
Source
1
1
Environment History Connections
Import Dataset
List
Global Environment
Environment is empty
3
Files Plots Packages Help Viewer
New Folder
Upload
Delete
Rename
More
Home
Name
Size
Modified
project
R
4
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.
>
2

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




File Edit Code View Plots Session Build Debug Profile Tools Help
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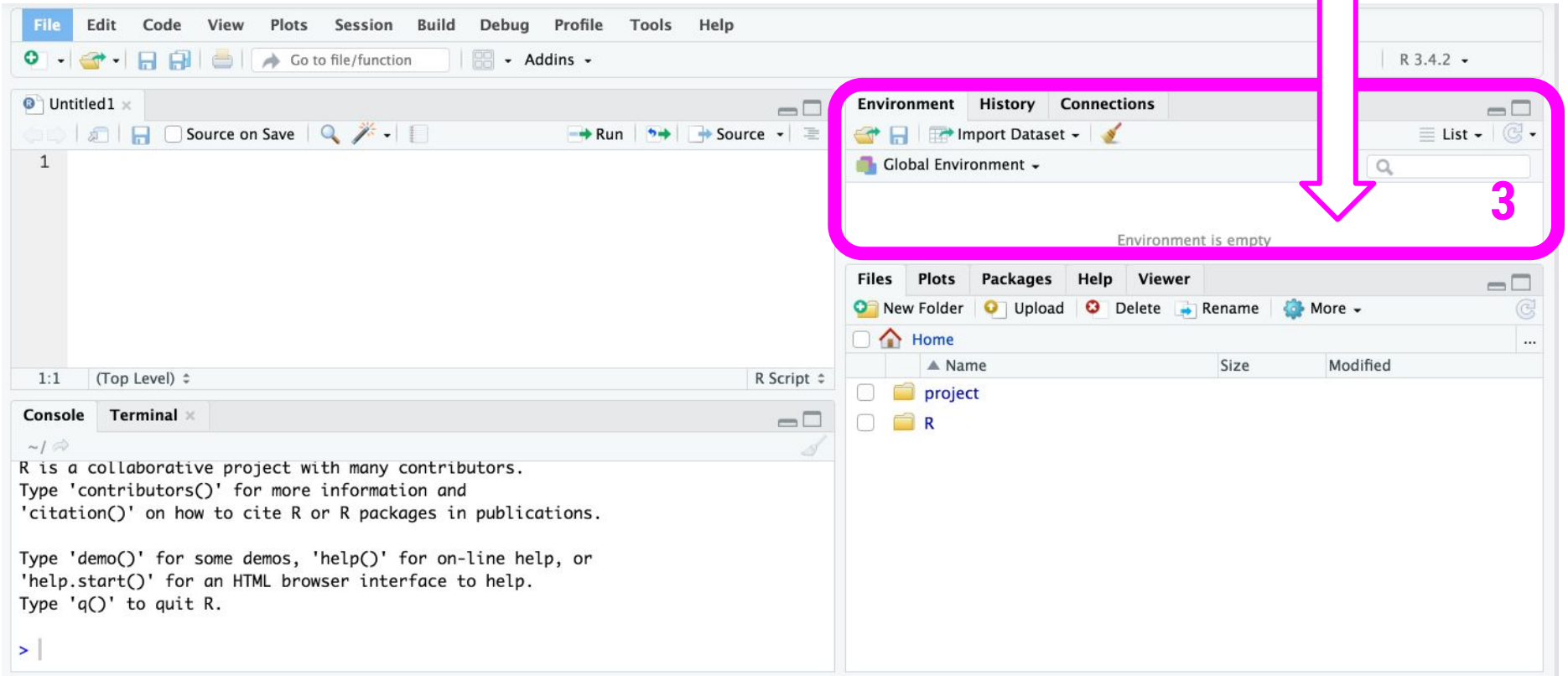
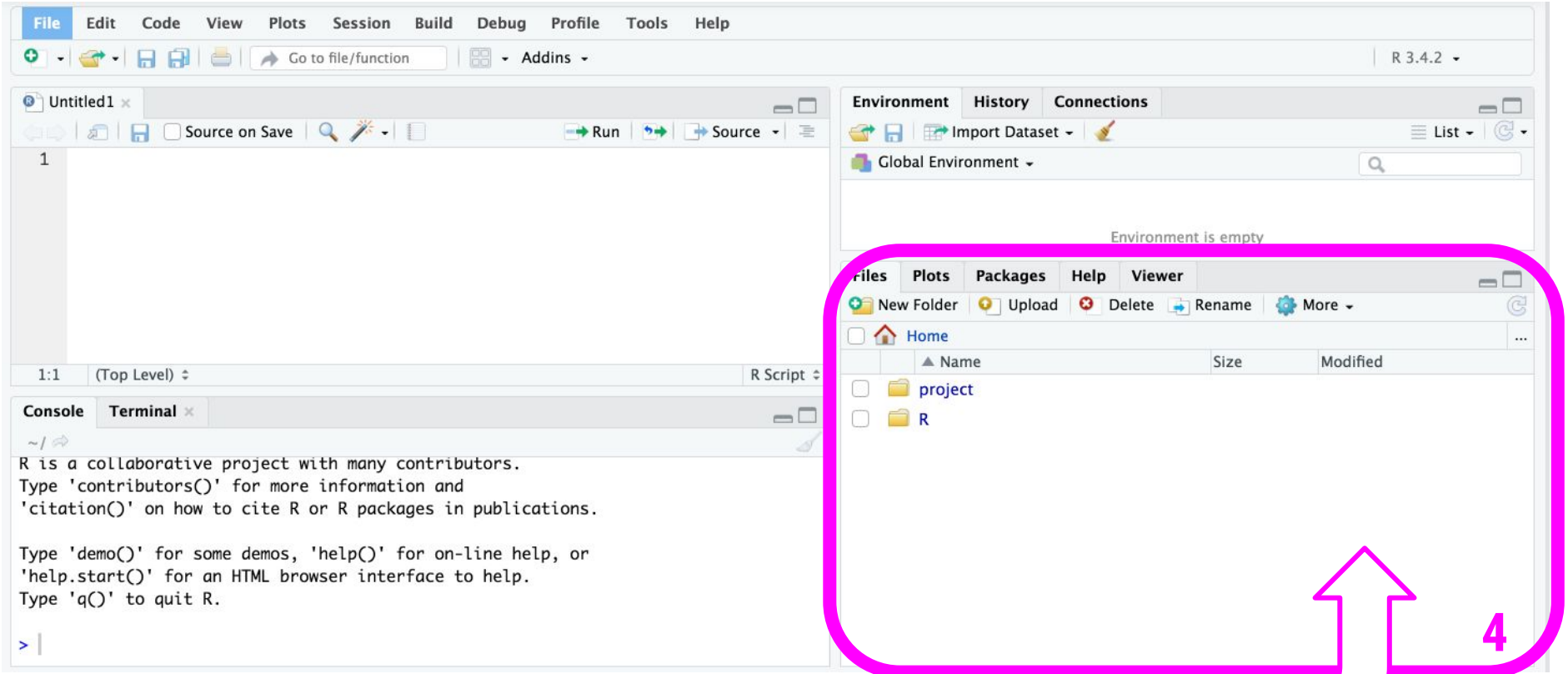
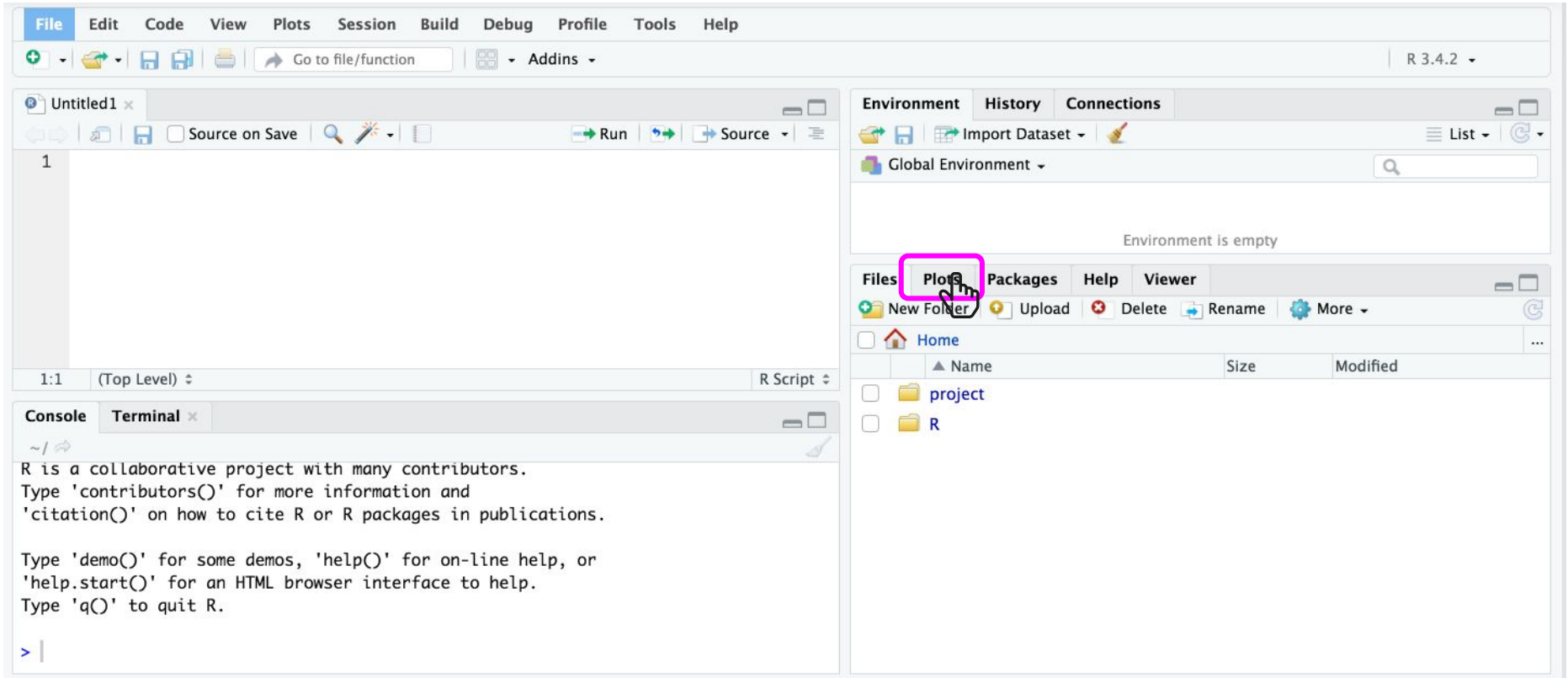
>
2
Down here is where your
code is sent to run

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
Source on Save
Run
Source
1
1:1
(Top Level)
R Script
Console
Terminal
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Connections
Import Dataset
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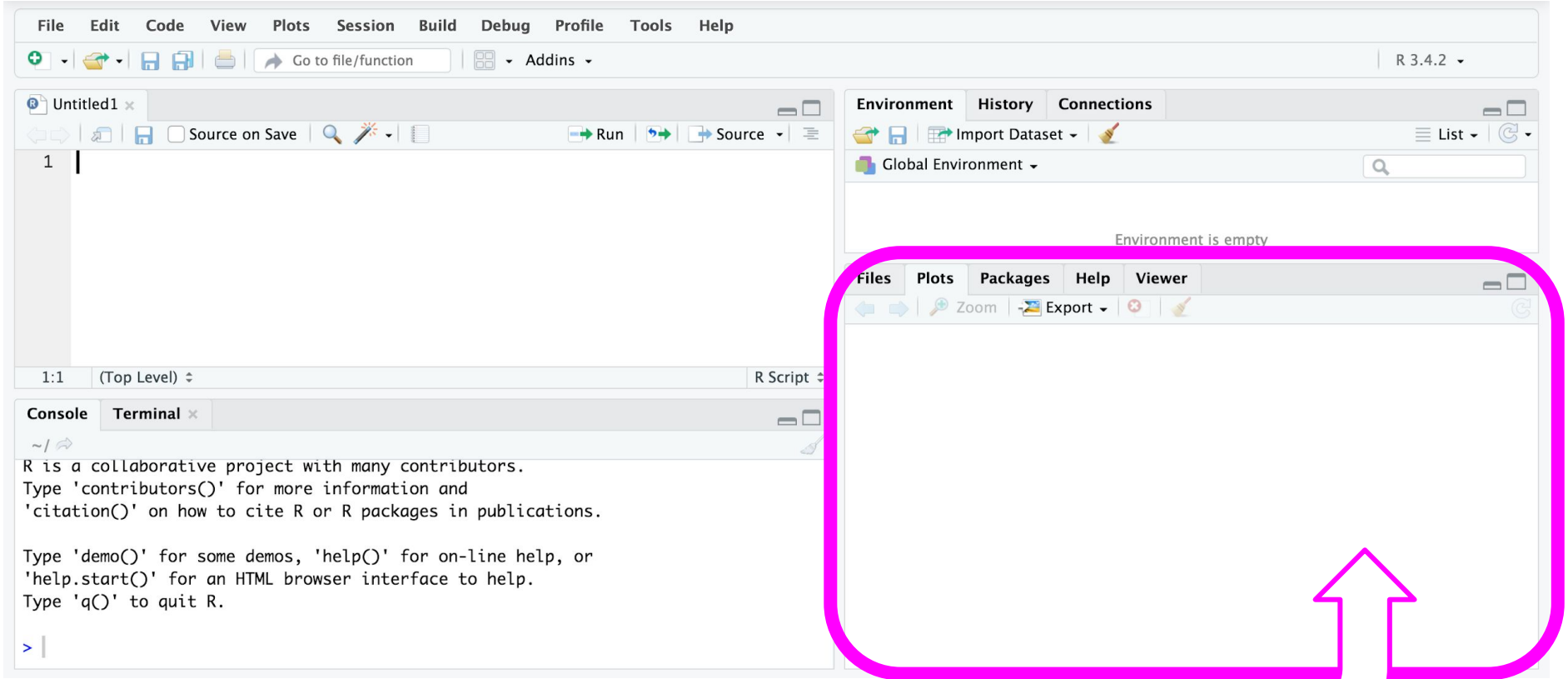
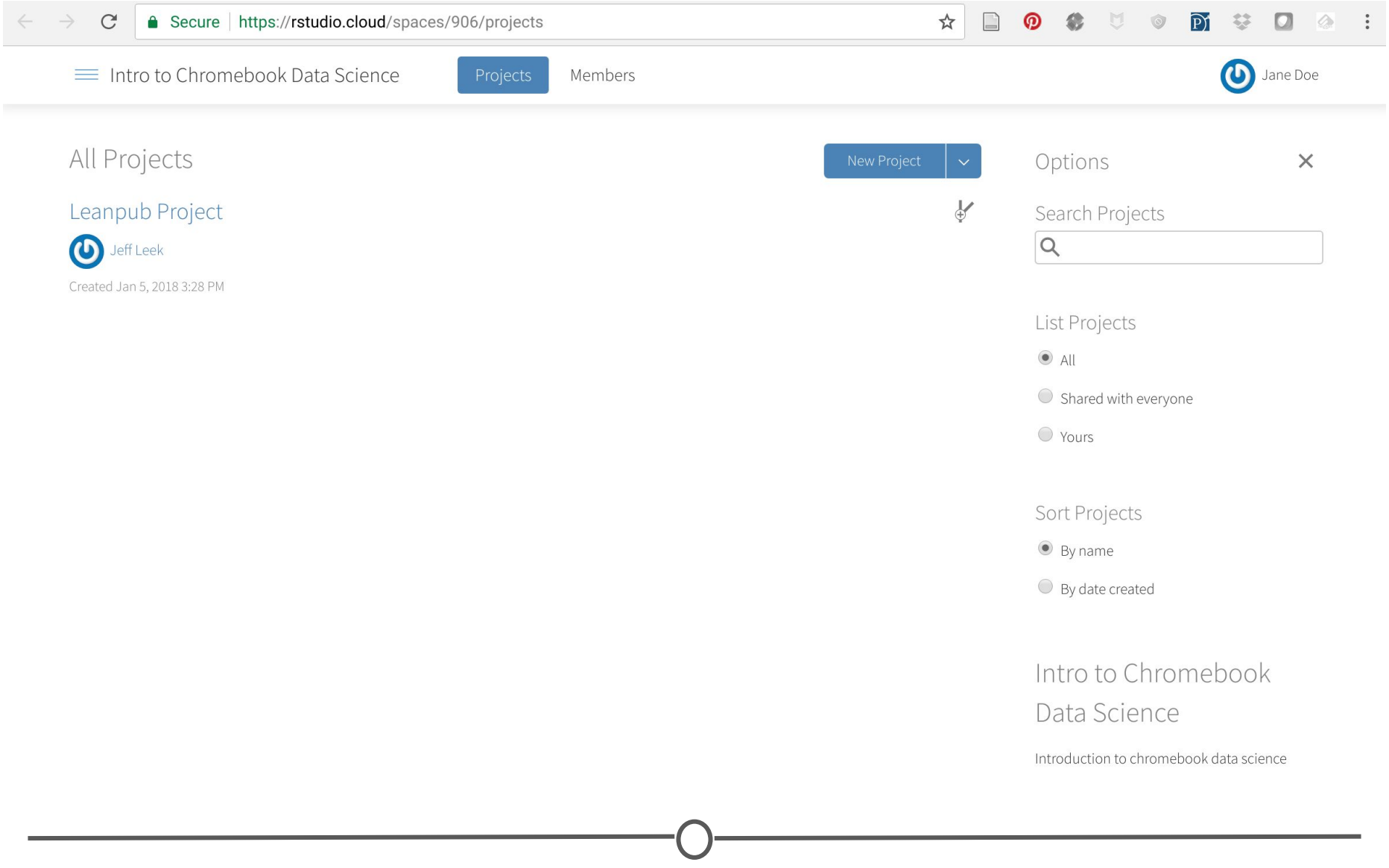
Global Environment
Environment is empty
Files
Plots
Packages
Help
Viewer
New Folder
Upload
Delete
Rename
More
Home
Name
Size
Modified
project
R



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?”


Secure | https://rstudio.cloud/spaces/906/projects
Intro to Chromebook Data Science
Projects
Members
Jane Doe
All Projects
New Project
Leanpub Project
Jeff Leek
Created Jan 5, 2018 3:28 PM
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

Intro to Chromebook Data Science

Projects

Members

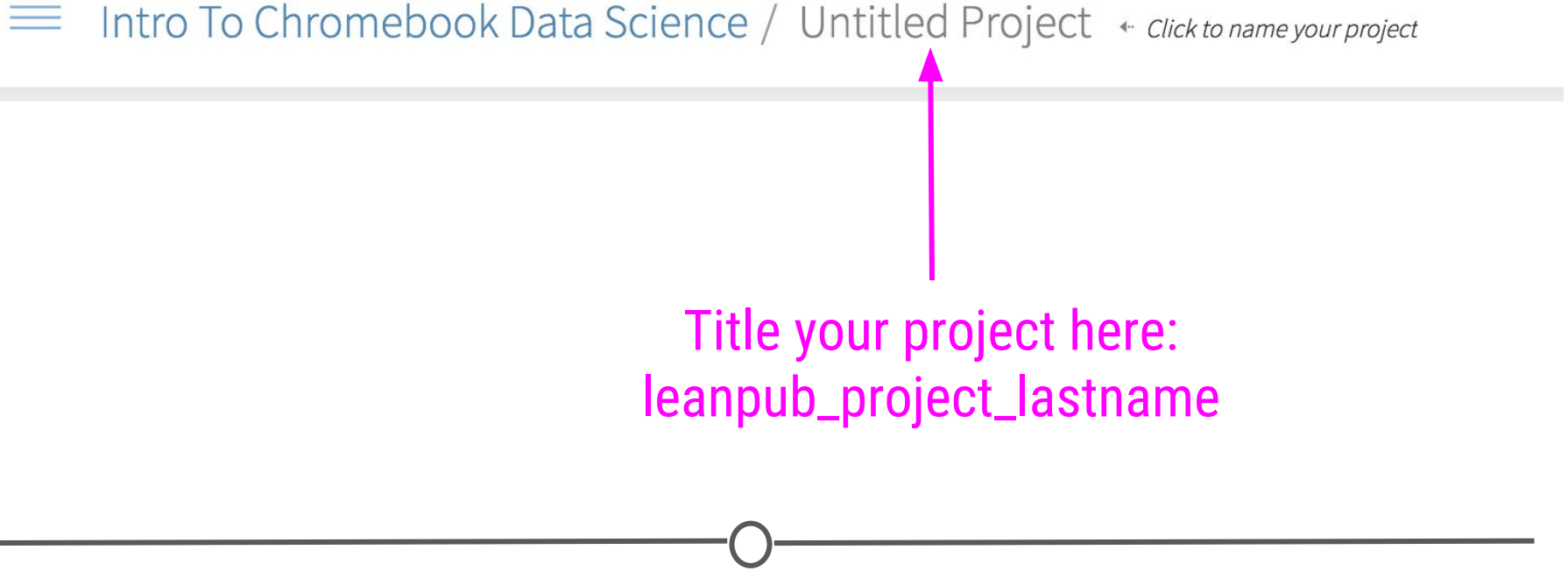
All Projects

New Project

Leanpub Project

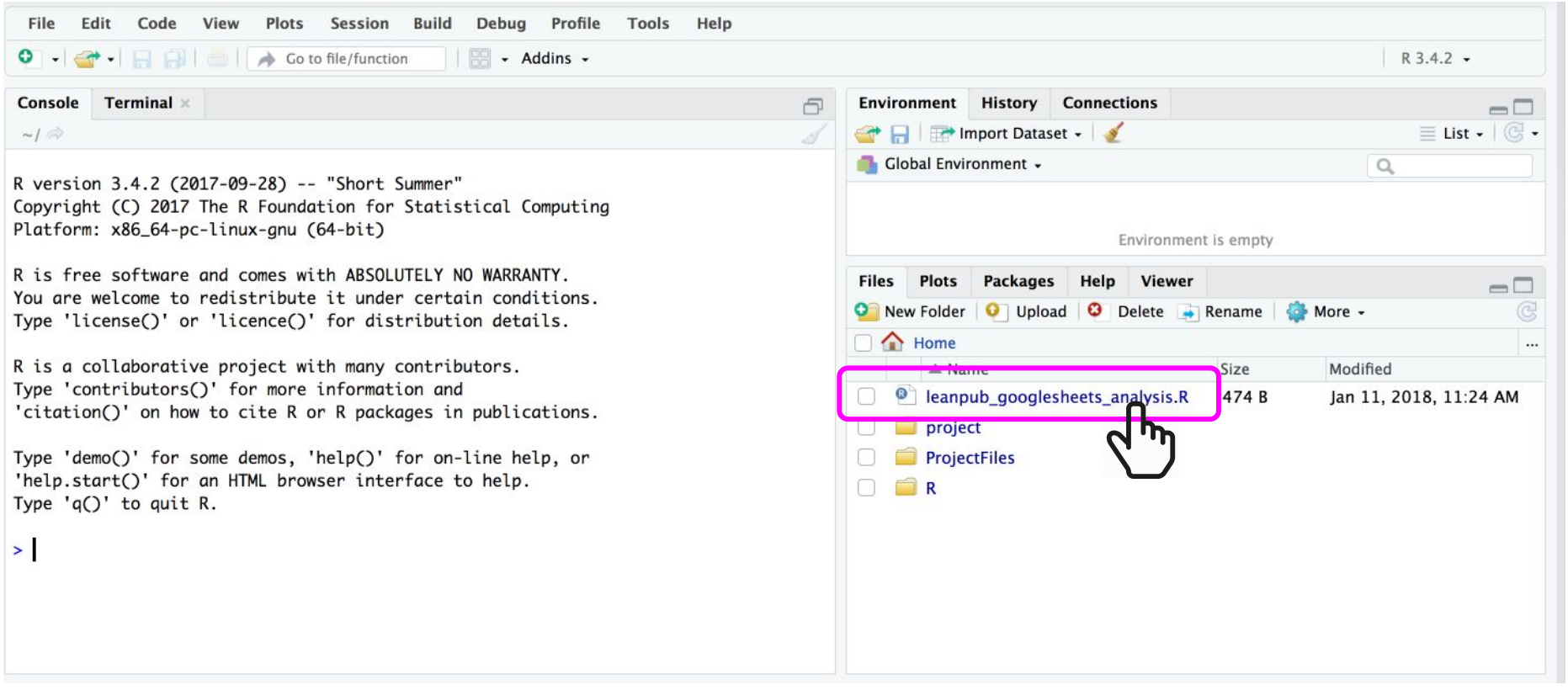
Jeff Leek

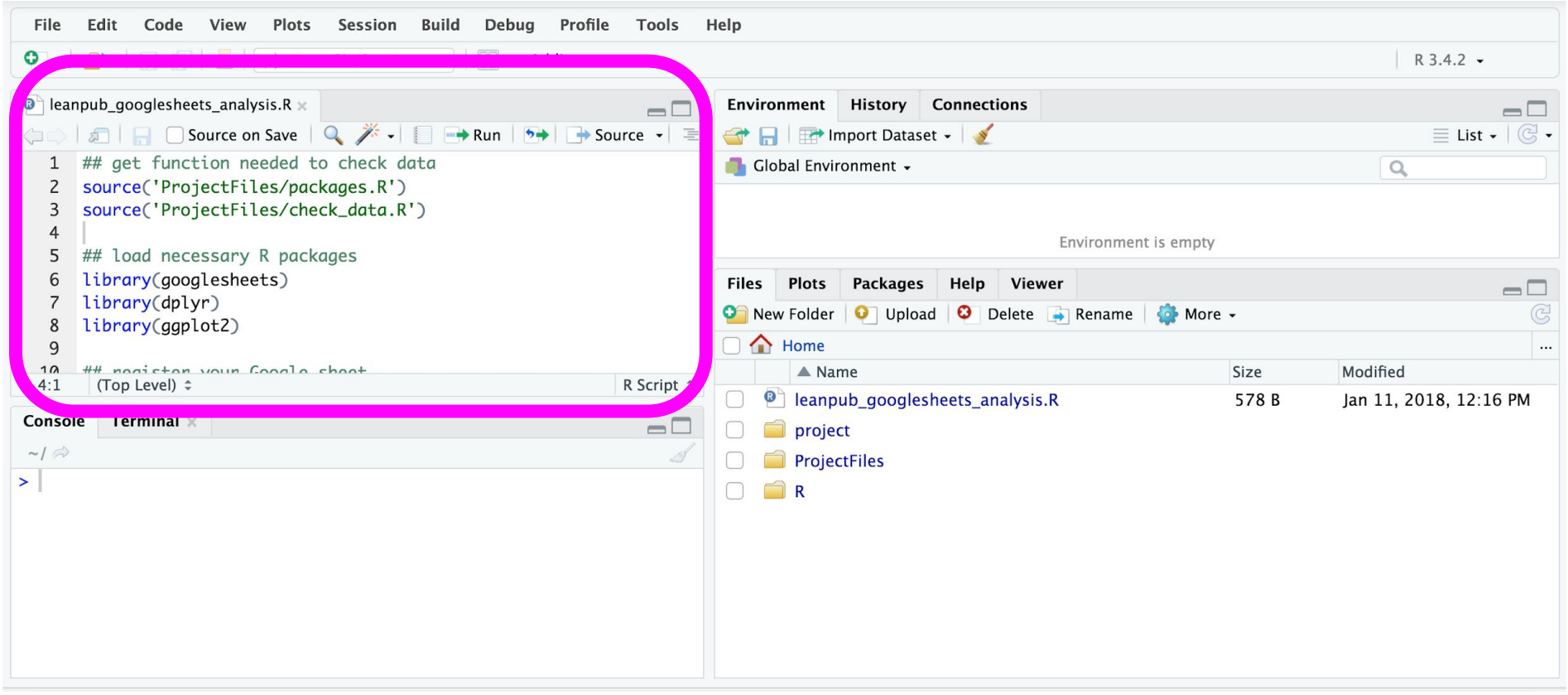
Created Jan 5, 2018 3:28 PM View 2 forks ...

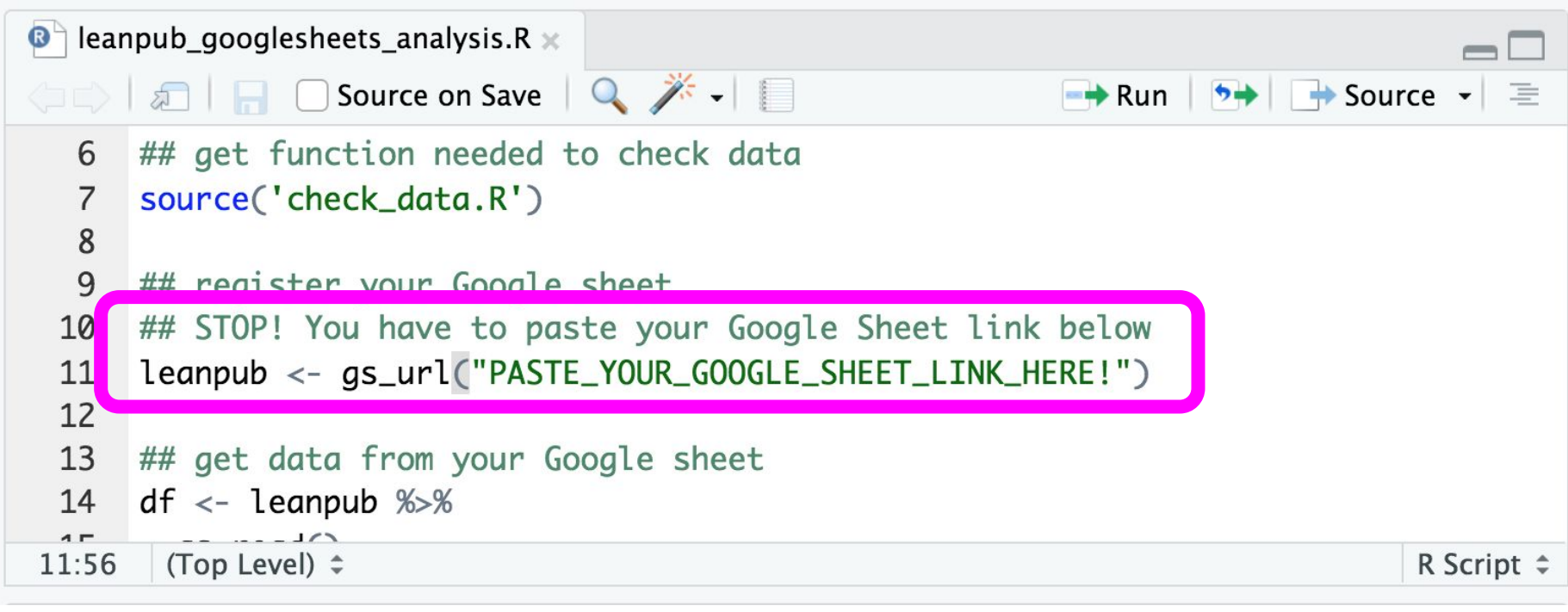

Intro To Chromebook Data Science / Untitled Project
Click to name your project
Title your project here:
leanpub_project_lastname

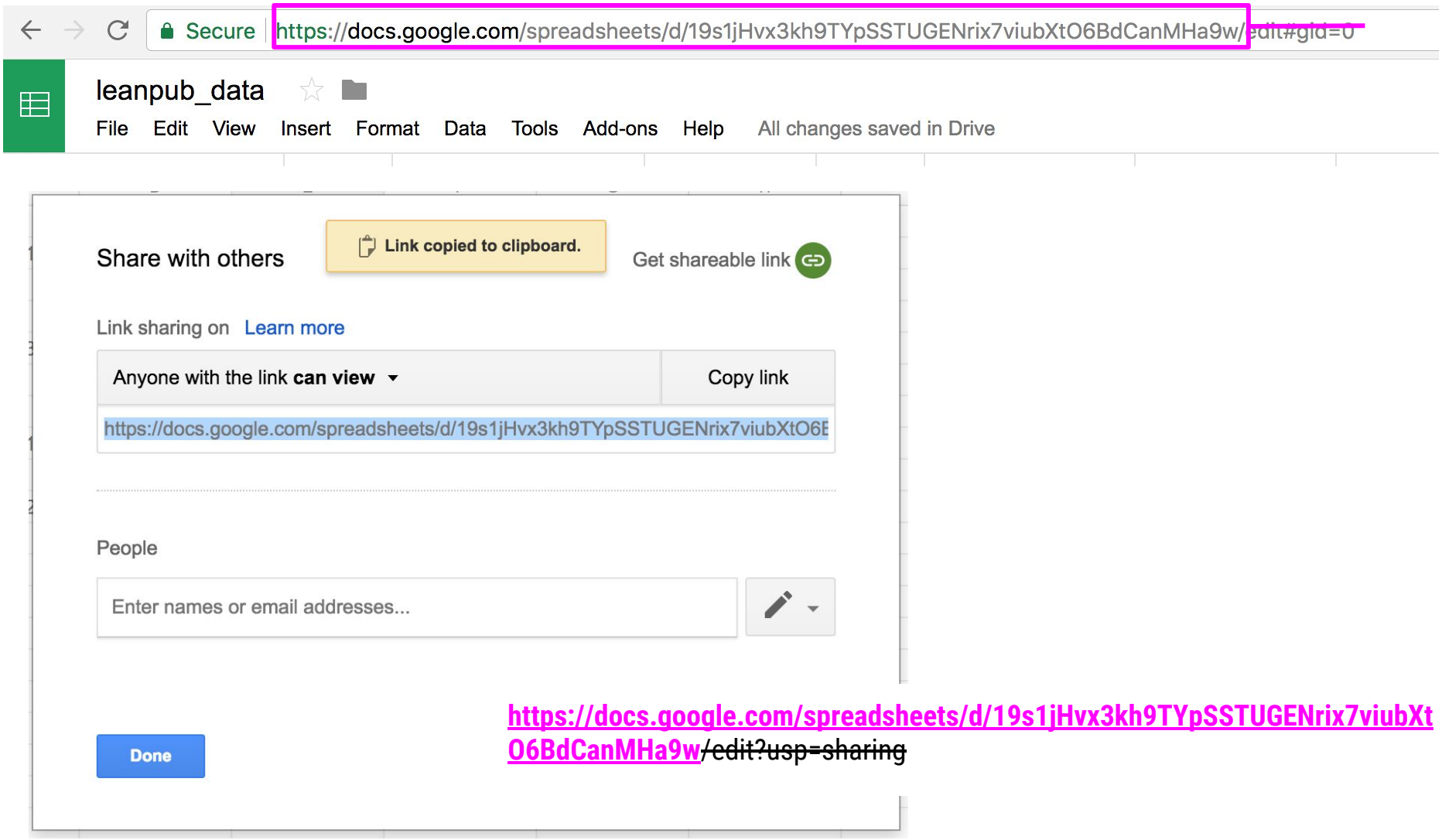
Intro To Chromebook Data Science / leanpub_project_doe

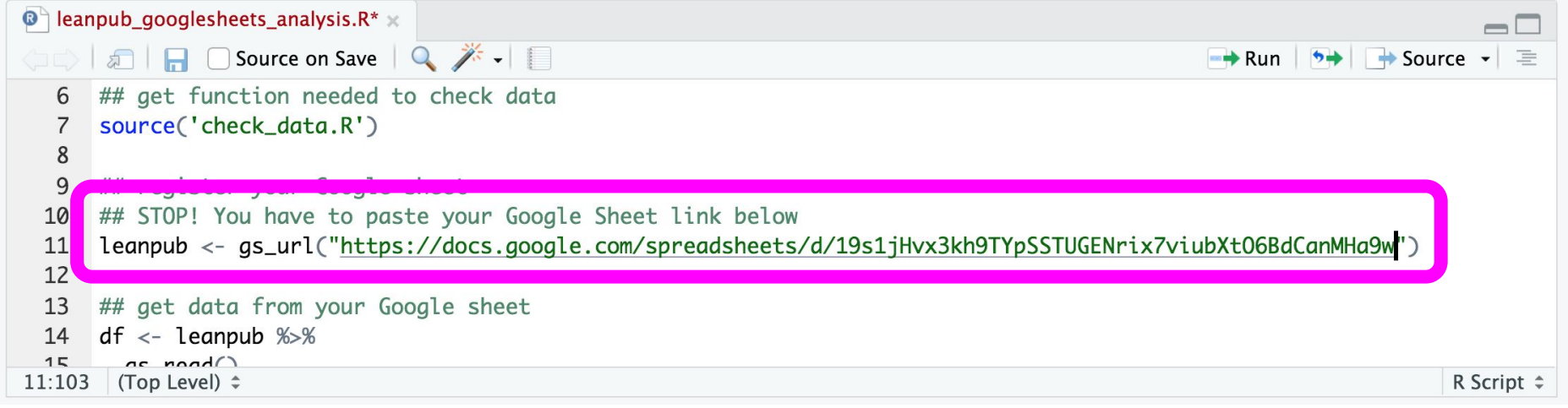
If your last name were Doe,
it would look like this

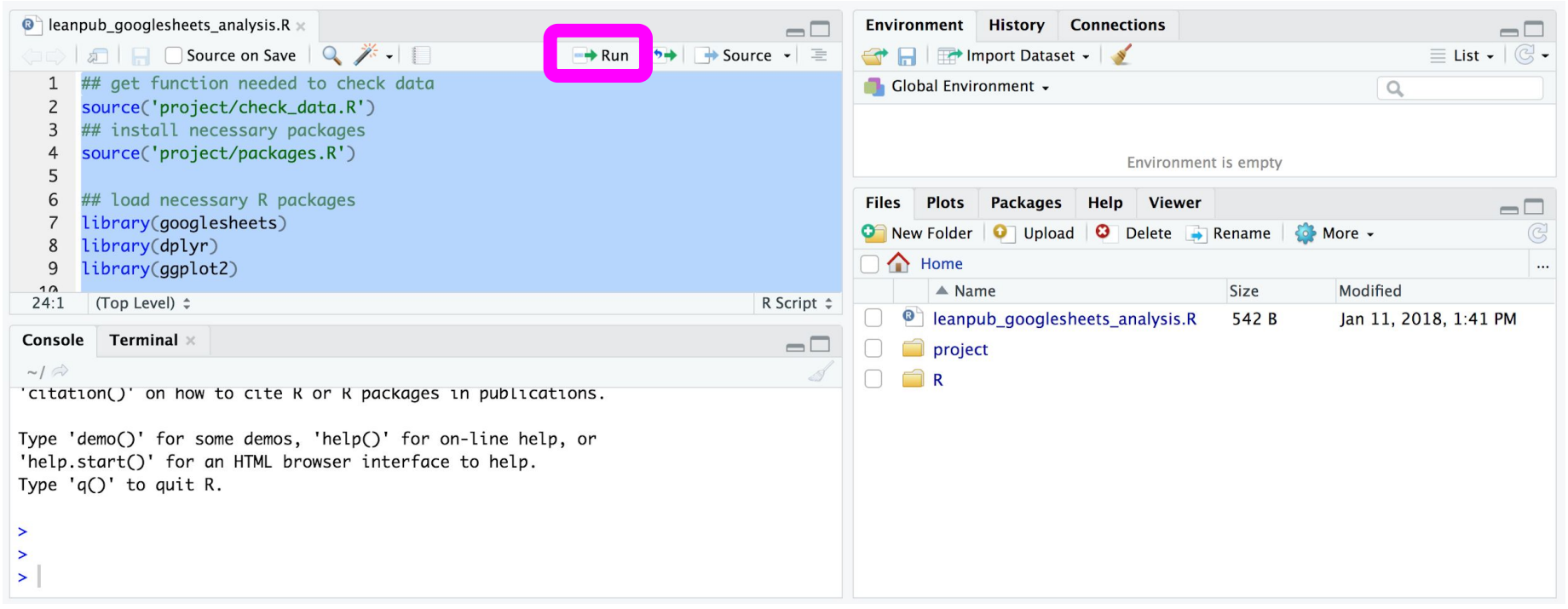

File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function
Addins
R 3.4.2
Console Terminal
R version 3.4.2 (2017-09-28) -- "Short Summer"
Copyright (C) 2017 The R Foundation for Statistical Computing
Platform: x86_64-pc-linux-gnu (64-bit)
R is free software and comes with ABSOLUTELY 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.
>
Environment History Connections
Import Dataset
List
Global Environment
Environment is empty
Files Plots Packages Help Viewer
New Folder
Upload
Delete
Rename
More
Home
Name
Size
Modified
leanpub_googlesheets_analysis.R
474 B
Jan 11, 2018, 11:24 AM
project
ProjectFiles
R


File Edit Code View Plots Session Build Debug Profile Tools Help
R 3.4.2
leanpub_googlesheets_analysis.R
Source on Save
Run
Source
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(googlesheets)
7 library(dplyr)
8 library(ggplot2)
9
4:1 (Top Level)
R Script
Console Terminal
~/
>
Environment History Connections
Import Dataset
List
Global Environment
Environment is empty
Files Plots Packages Help Viewer
New Folder Upload Delete Rename More
Home
Name Size Modified
leanpub_googlesheets_analysis.R 578 B Jan 11, 2018, 12:16 PM
project
ProjectFiles
R


leanpub_googlesheets_analysis.R
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 %>%
11:56
(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
Share with others
Link copied to clipboard.
Get shareable link
Link sharing on Learn more
Anyone with the link can view
Copy link
https://docs.google.com/spreadsheets/d/19s1jHvx3kh9TYpSSTUGENrix7viubXtO6E
People
Enter names or email addresses...
Done
https://docs.google.com/spreadsheets/d/19s1jHvx3kh9TYpSSTUGENrix7viubXtO6BdCanMHa9w/edit?usp=sharing


leanpub_googlesheets_analysis.R*
Source on Save
Run
Source
6 ## get function needed to check data
7 source('check_data.R')
8
9
10 ## STOP! You have to paste your Google Sheet link below
11 leanpub <- gs_url("https://docs.google.com/spreadsheets/d/19s1jHvx3kh9TYpSSTUGENrix7viubXtO6BdCanMHa9w")
12
13 ## get data from your Google sheet
14 df <- leanpub %>%
11:103
(Top Level)
R Script


leanpub_googlesheets_analysis.R
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
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Type 'q()' to quit R.
>
>
>
Environment
History
Connections
Import Dataset
List
Global Environment
Environment is empty
Files
Plots
Packages
Help
Viewer
New Folder
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Home
Name
Size
Modified
leanpub_googlesheets_analysis.R
542 B
Jan 11, 2018, 1:41 PM
project
R

leanpub_googlesheets_analysis.R

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

```
)
>
> ## 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)
>
```

Environment | History | Connections

Import Dataset | List

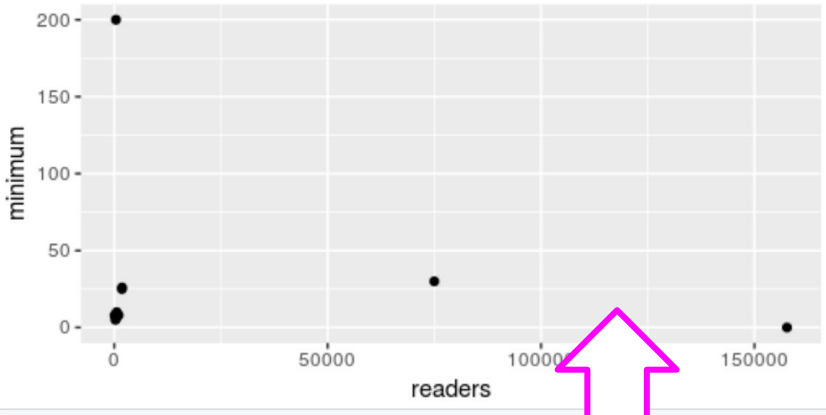
Global Environment

Data

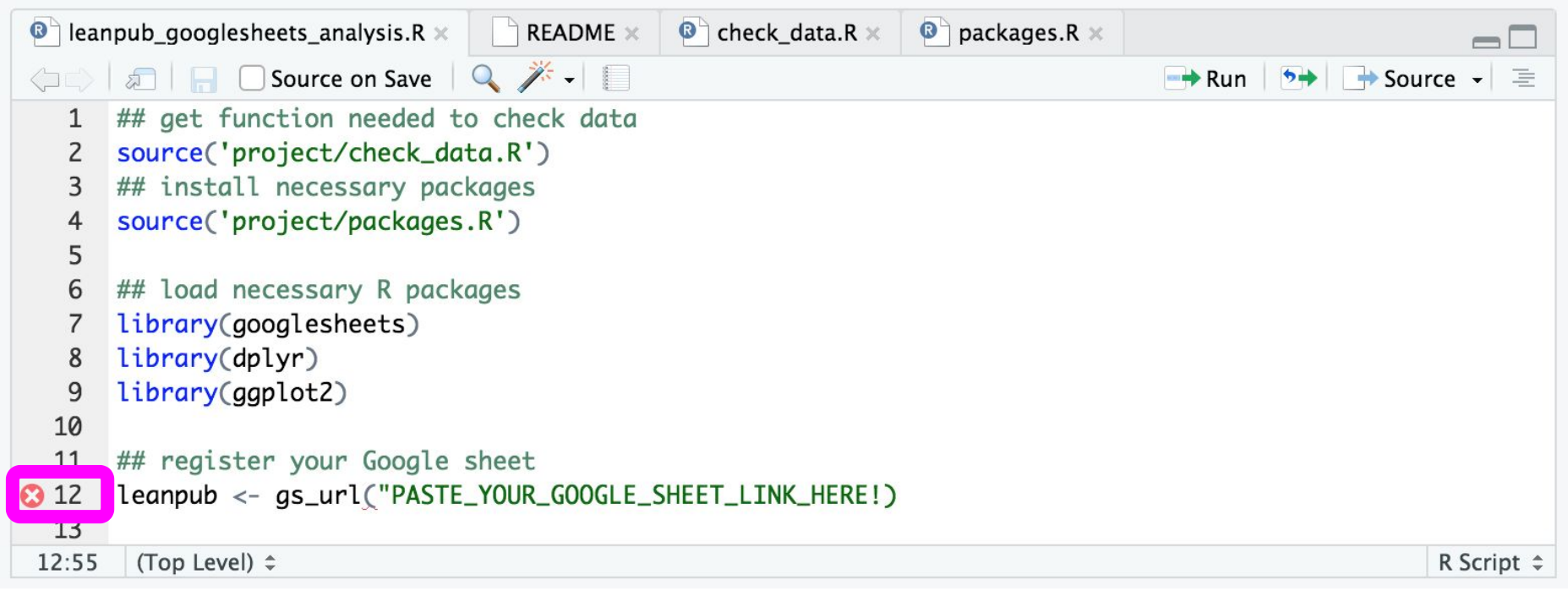
df	10 obs. of 4 variables
leanpub	List of 17

Files | Plots | Packages | Help | Viewer

Zoom | Export | Publish



Plot should show up over here once you run the code


leanpub_googlesheets_analysis.R
README
check_data.R
packages.R
Source on Save
Run
Source
1 ## get function needed to check data
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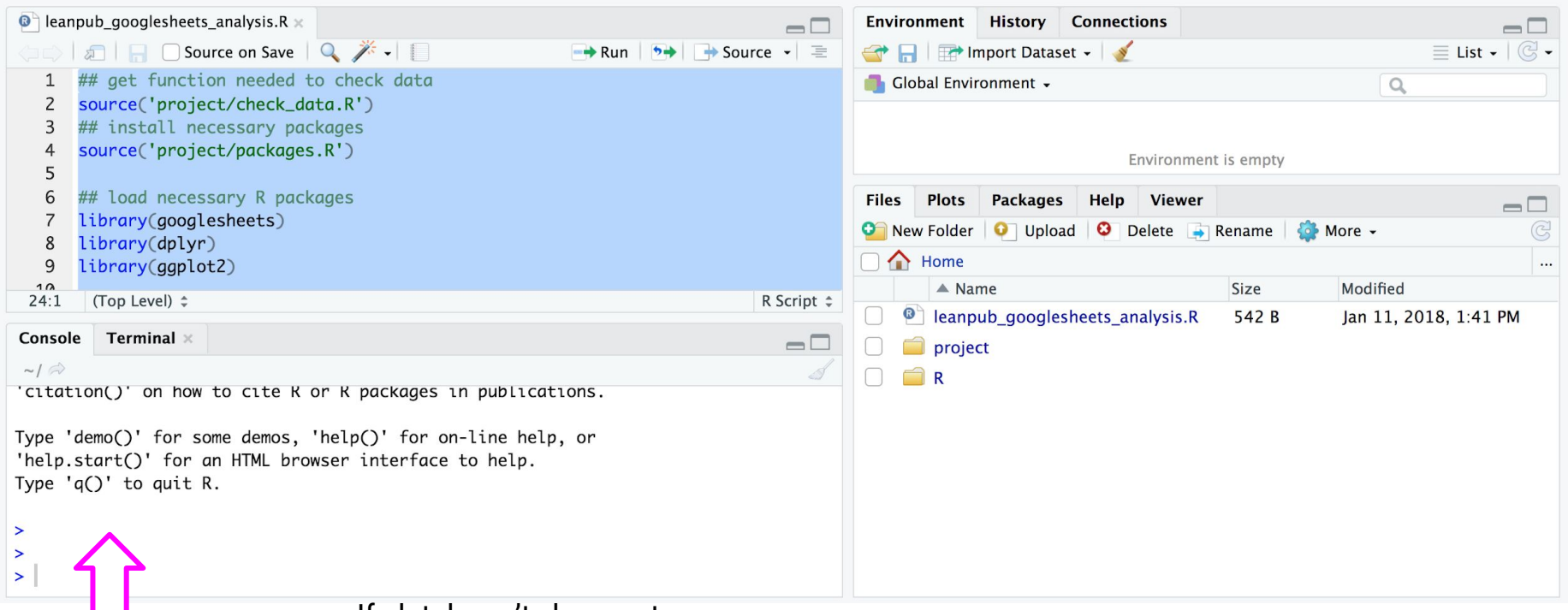
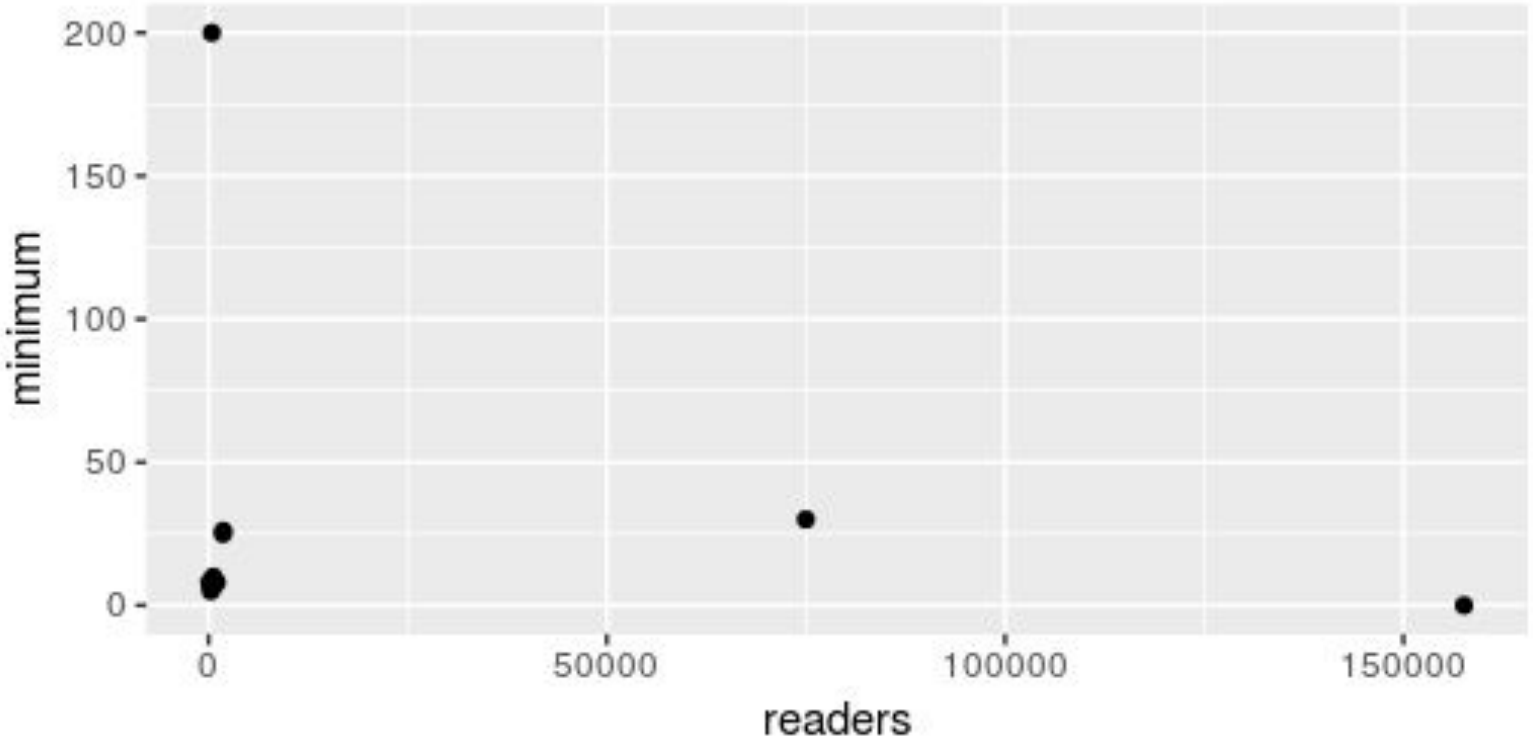
3 ## install necessary packages
4 source('project/packages.R')
5
6 ## load necessary R packages
7 library(googlesheets)
8 library(dplyr)
9 library(ggplot2)
10
11 ## register your Google sheet
12 leanpub <- gs_url("PASTE_YOUR_GOOGLE_SHEET_LINK_HERE!)
13
12:55
(Top Level)
R Script



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


200
150
100
50
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minimum
0
50000
100000
150000
readers