

1. 프로젝트와 관리

Rstudio와 함께하는 버전관리

박찬엽

패스트 캠퍼스

2017.06.15

강사 소개



박찬엽

카톡@parkets

페북@mrchypark

깃헙@mrchypark

폰번+82-10-8720-6115

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프로젝트로 시작하는 버전관리

01

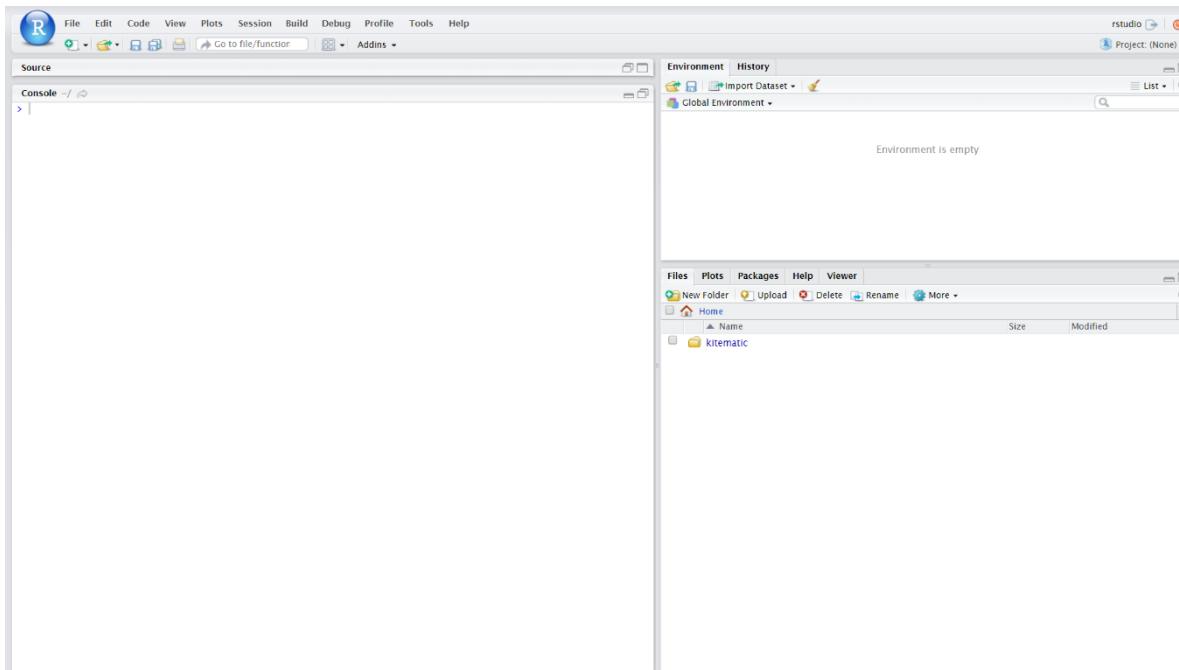
RSTUDIO

IDE for R

카톡@parkets

1) IDE(Integrated Development Environment)

- ① 통합 개발: 개발에 필요한 모든 것이 갖추어져 있음
- ② 기능이 많은 메모장서부터 debug 등 다양한 기능을 가진 프로그램까지



1) 작업의 단위

2) 필요성

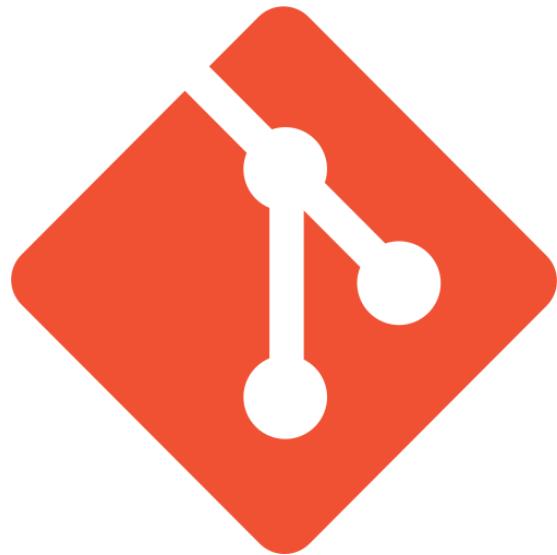
- ① 파일과 폴더 구조를 정리
- ② 폴더 이동시 코드의 변경이 필요 없음
- ③ 환경을 독립적으로 구성

3) 효과

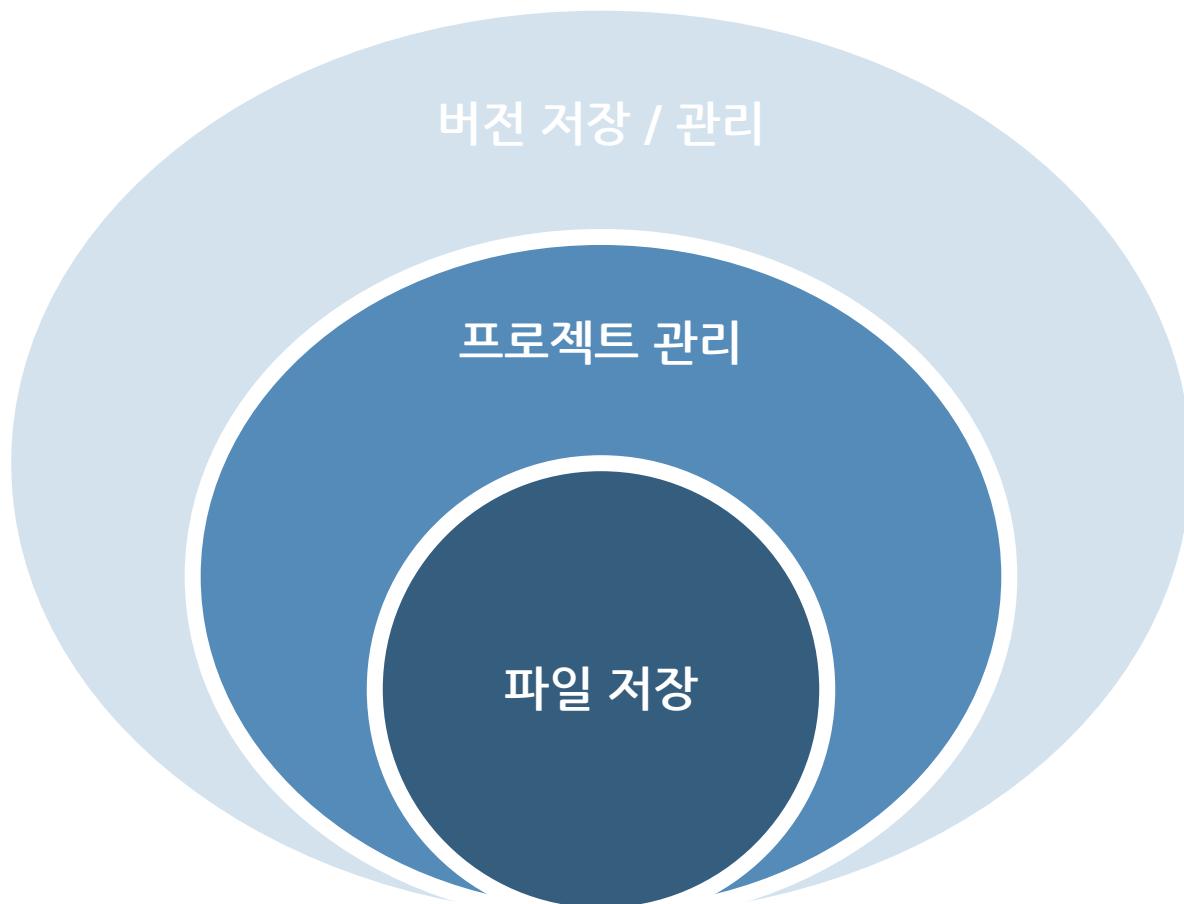
- ① 파일과 폴더 구조의 단순화
 - ② 상대경로 사용 가능
 - ③ 각 프로젝트 별 환경 설정
- => 작업에 집중

1) 분산 버전 관리 시스템

- ① 분산 : 독립적으로 작업
- ② 버전 : 차이점에 집중
- ③ 관리 시스템 : 파일 저장과 같은 레벨의 관리 도구



git



2) 설치

- ① windows 설치 필요함 : <https://git-scm.com/downloads>
- ② Rtools로 통합 설치 가능 : <https://cran.r-project.org/bin/windows/Rtools/>
- ③ mac / linux : 보통 사전 설치되어 있음

Building R for Windows

This document is a collection of resources for building packages for R under Microsoft Windows, or for building R itself (version 1.9.0 or later). The original collection was put together by Prof. Brian Ripley; it is currently being maintained by Duncan Murdoch.

The authoritative source of information for tools to work with the current release of R is the "R Administration and Installation" manual. In particular, please read the "[Windows Toolset](#)" appendix.

Rtools Downloads

Some of the tools are incompatible with obsolete versions of R. We maintain one actively updated version of the tools, and other "frozen" snapshots of them. We recommend that users use the latest release of Rtools with the latest release of R.

The current version of this file is recorded here: [VERSION.txt](#)

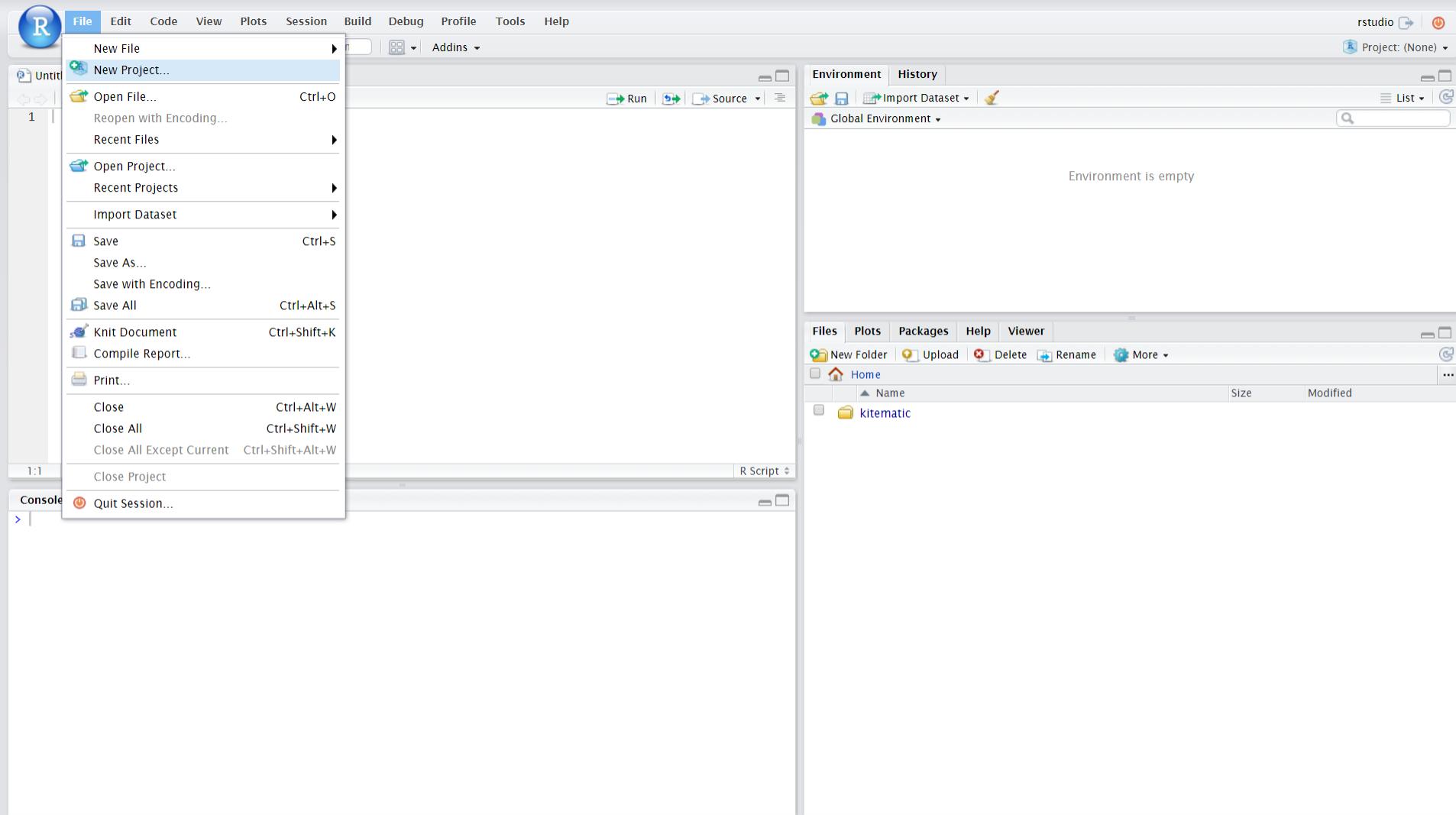
Download	R compatibility	Frozen?
Rtools34.exe	R 3.3.x and later	No
Rtools33.exe	R 3.2.x to 3.3.x	Yes
Rtools32.exe	R 3.1.x to 3.2.x	Yes
Rtools31.exe	R 3.0.x to 3.1.x	Yes
Rtools30.exe	R >= 2.15.1 to R 3.0.x	Yes
Rtools215.exe	R >= 2.14.1 to R 2.15.1	Yes
Rtools214.exe	R 2.13.x or R 2.14.x	Yes
Rtools213.exe	R 2.13.x	Yes
Rtools212.exe	R 2.12.x	Yes
Rtools211.exe	R 2.10.x or R 2.11.x	Yes
Rtools210.exe	R 2.9.x or 2.10.x	Yes
Rtools29.exe	R 2.8.x or R 2.9.x	Yes
Rtools28.exe	R 2.7.x or R 2.8.x	Yes
Rtools27.exe	R 2.6.x or R 2.7.x	Yes
Rtools26.exe	R 2.6.x, R 2.5.x or (untested) earlier	Yes

The change history to the Rtools is [below](#).

Tools for 64 bit Windows builds

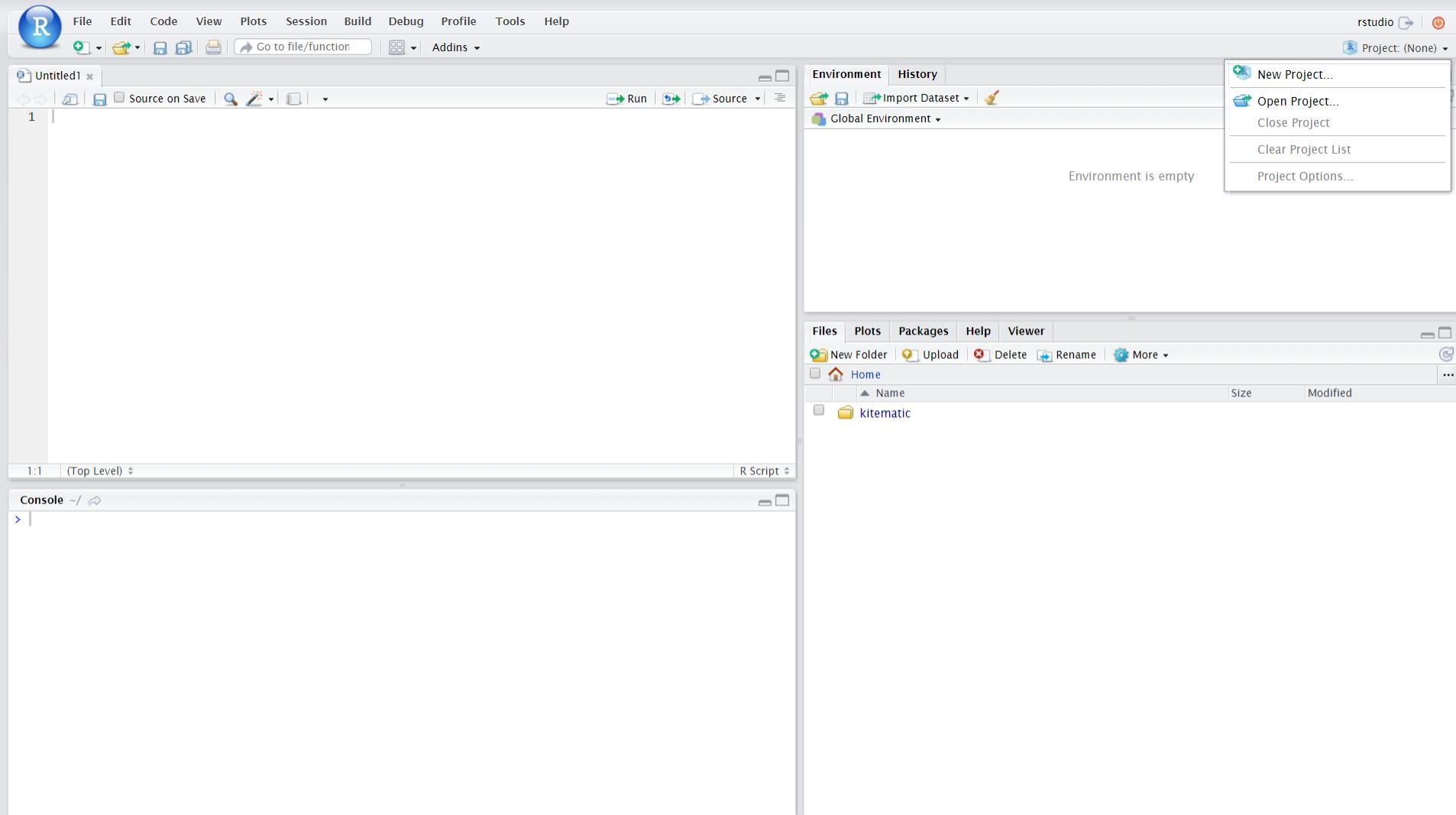
프로젝트 만들기

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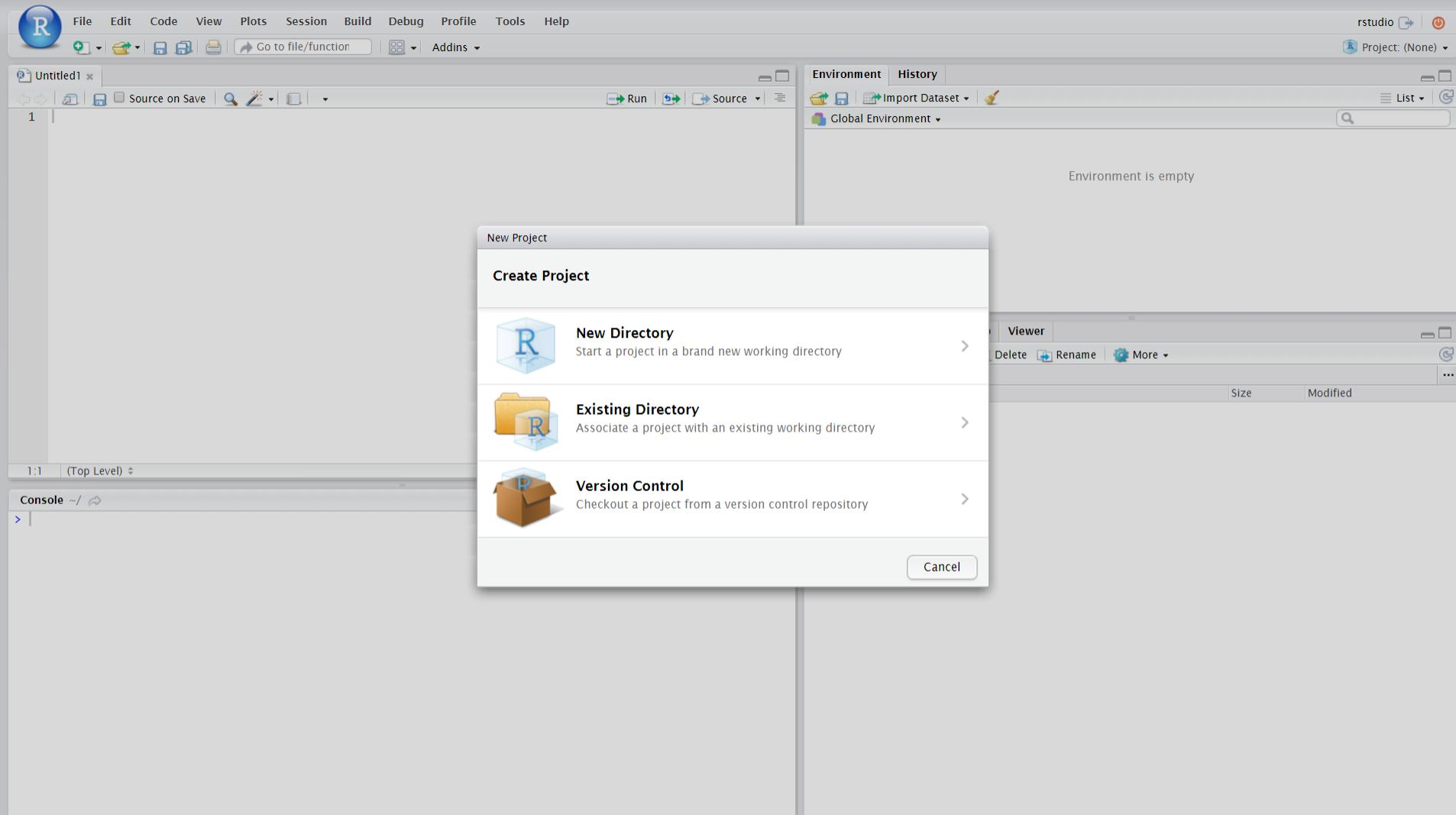
프로젝트 만들기

카톡@parkets



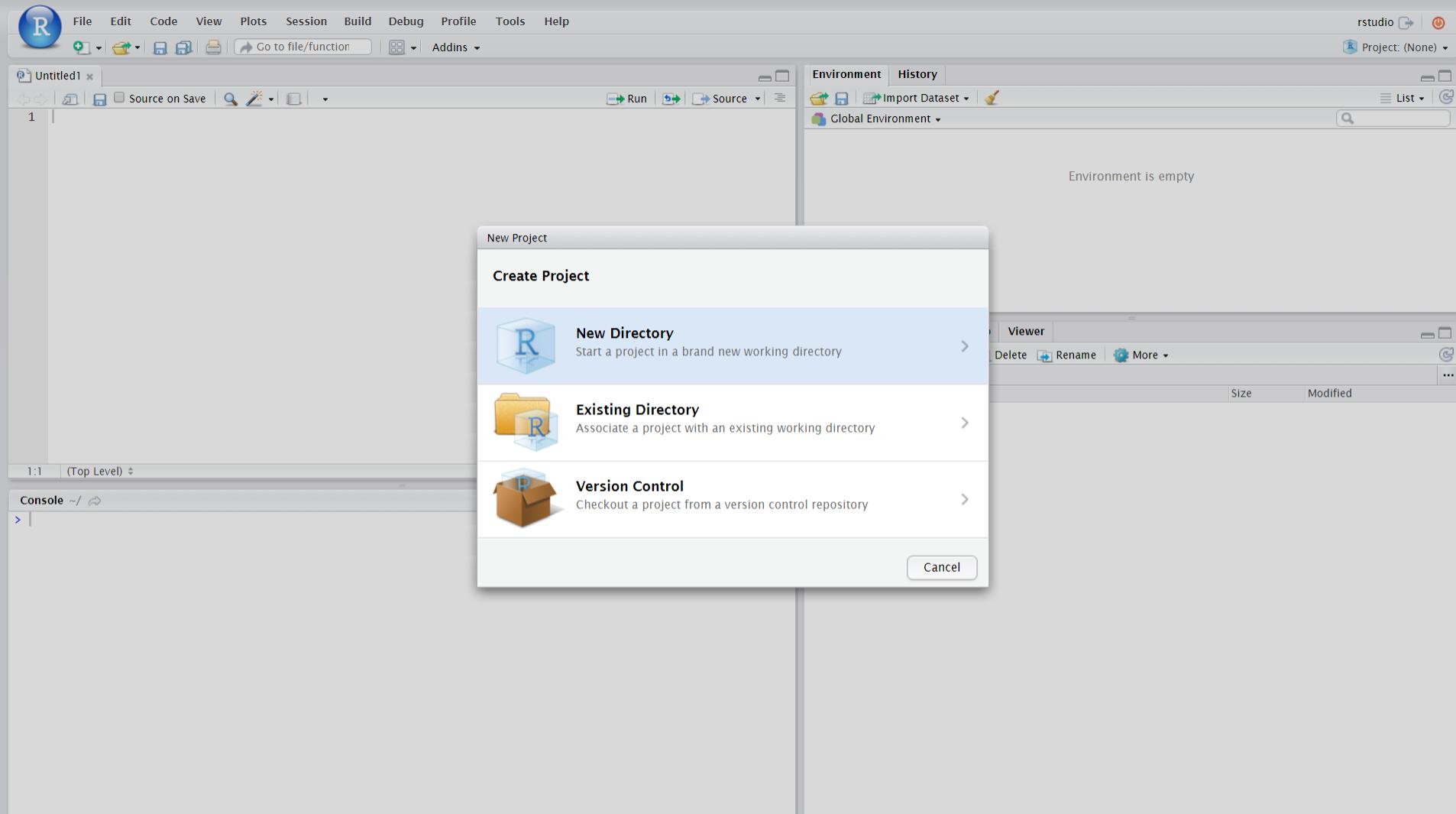
프로젝트 만들기

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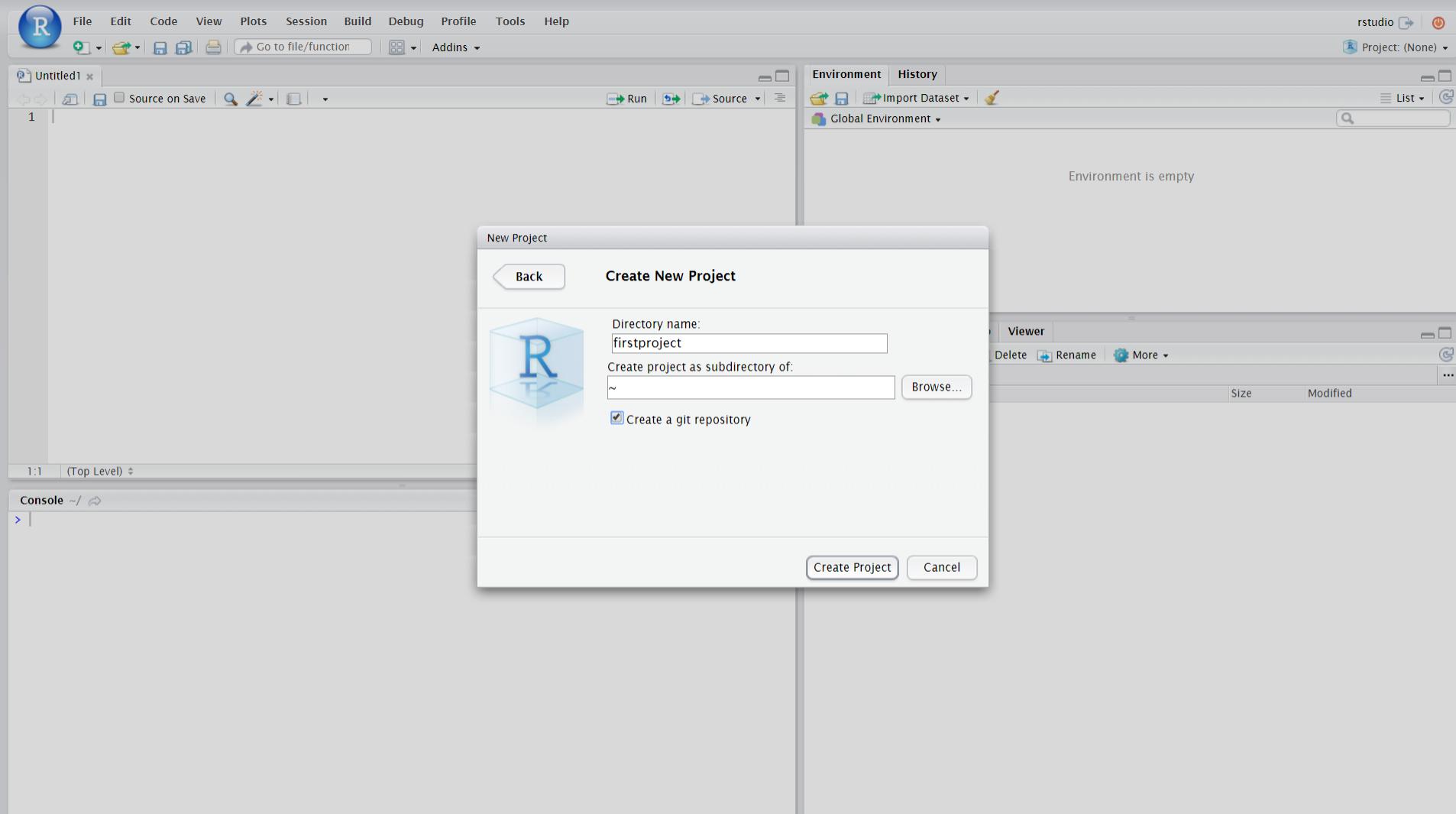
프로젝트 만들기

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프로젝트 만들기

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프로젝트 만들기

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The screenshot shows the RStudio interface with the following components:

- Top Bar:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Console Tab:** Shows the R startup message for version 3.4.0 (2017-04-21) running on a x86_64-pc-linux-gnu (64-bit) system. It includes standard R welcome messages about warranty, redistribution, contributors, and citation.
- Environment Tab:** Global Environment pane displays the message "Environment is empty".
- Files Tab:** Shows the contents of the 'firstproject' directory:
 - .. (parent folder)
 - .gitignore (40 B, modified Jun 15, 2017, 10:08 AM)
 - firstproject.Rproj (205 B, modified Jun 15, 2017, 10:08 AM)

프로젝트 만들기

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The screenshot shows the RStudio interface with a new project named "firstproject".

Console: Displays the R startup message and basic usage information.

```
R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
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.
```

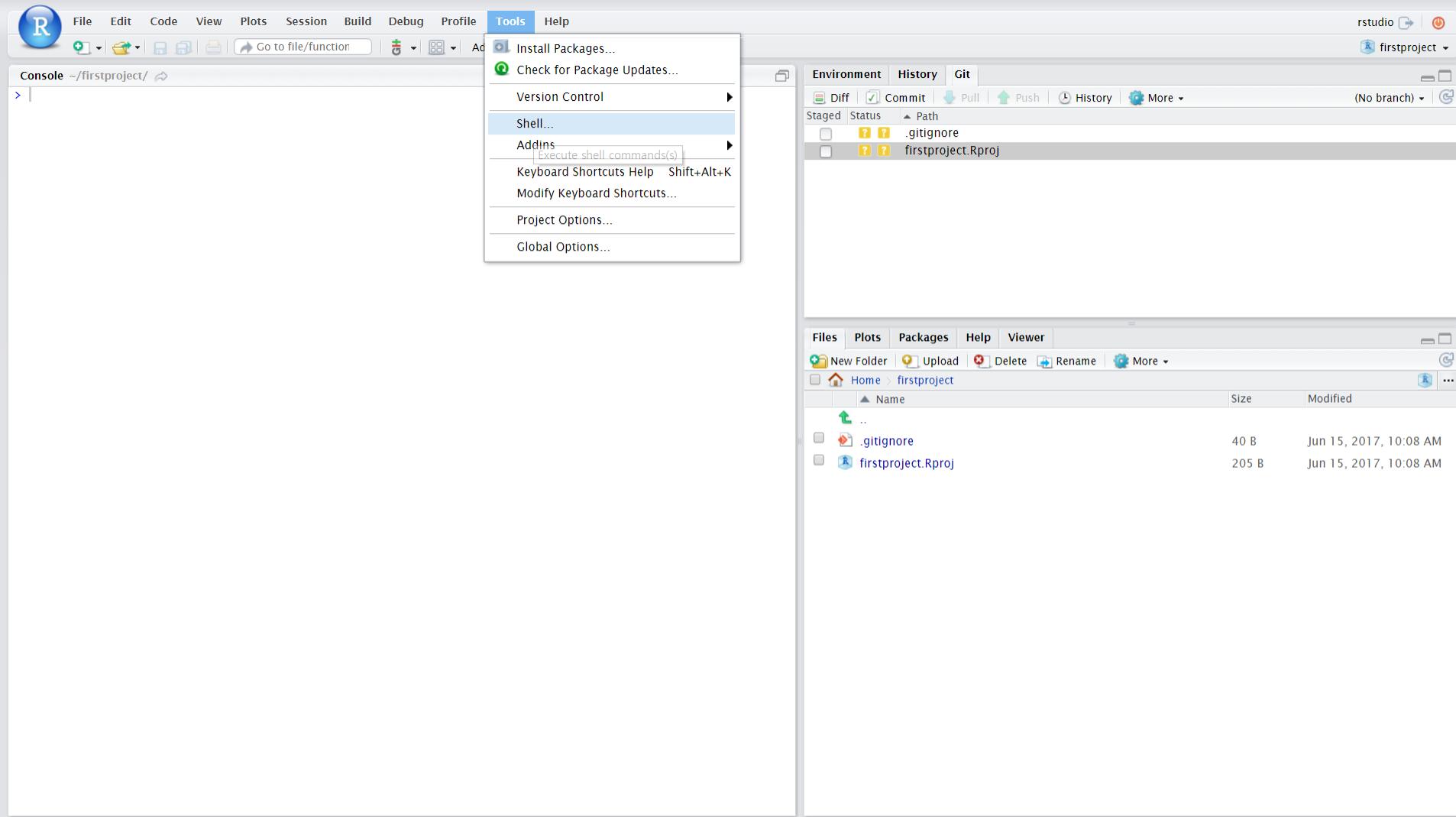
Environment: Shows the current directory is ~/firstproject/ and displays the contents of the .gitignore file and the firstproject.Rproj file.

Files: Shows the contents of the ~/firstproject/ directory, which includes the .gitignore and firstproject.Rproj files.

Name	Size	Modified
..		
.gitignore	40 B	Jun 15, 2017, 10:08 AM
firstproject.Rproj	205 B	Jun 15, 2017, 10:08 AM

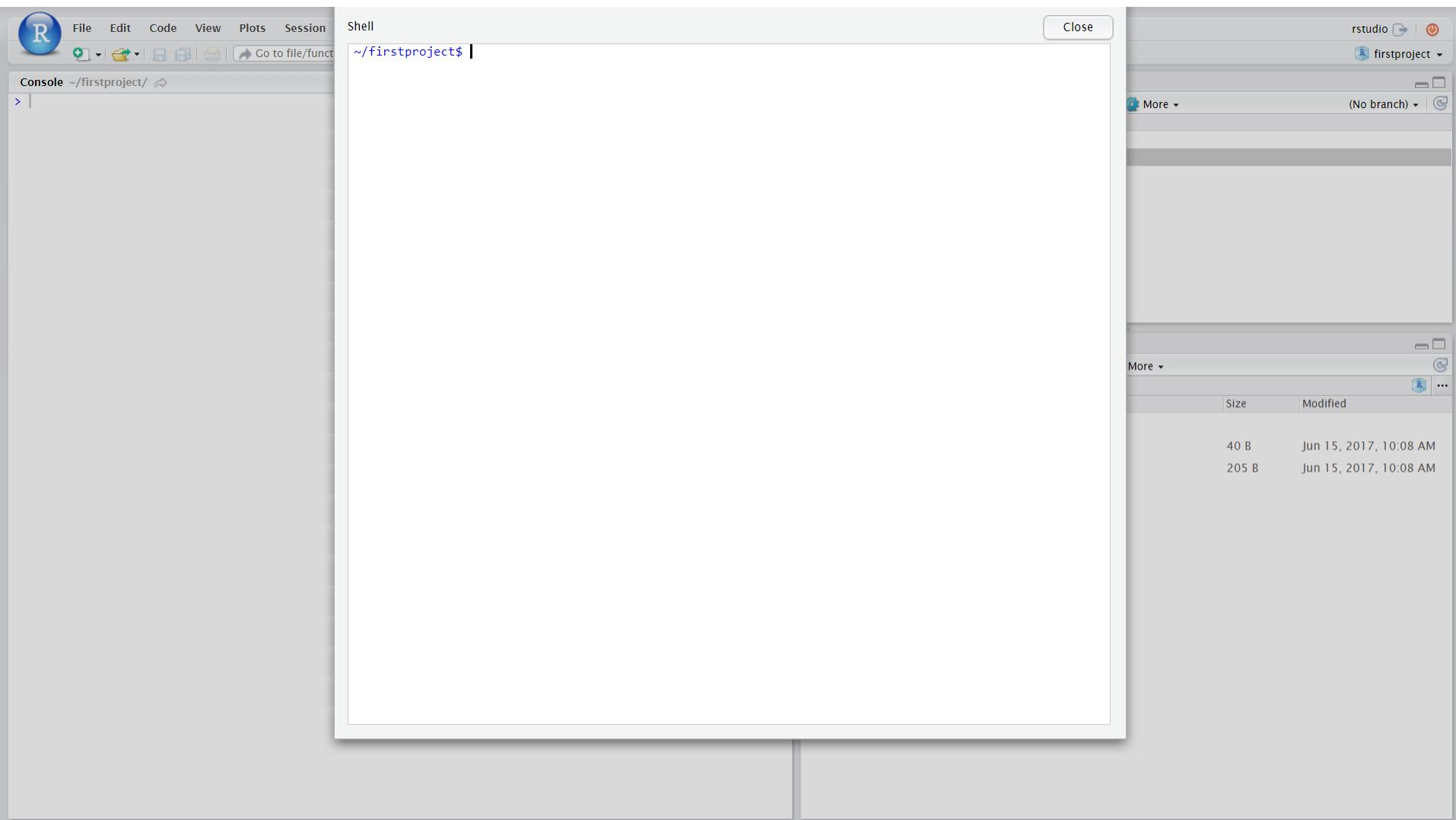
버전 관리 진행하기

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버전 관리 진행하기

카톡@parkets



버전 관리 진행하기

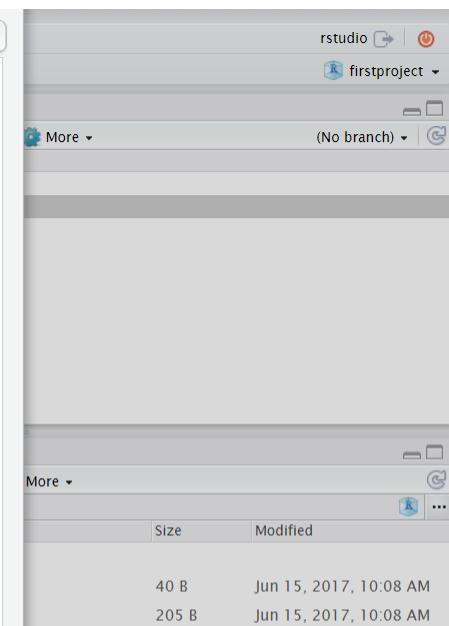
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The screenshot shows the RStudio interface with a terminal window open. The title bar of the terminal window says "Shell". The terminal content displays the usage information for the "git" command and a list of common git commands with their descriptions. At the bottom of the terminal, there is a note about reading concept guides and a prompt: "~/firstproject\$ |".

```
~/firstproject$ git
usage: git [--version] [--help] [-C <path>] [-c name=value]
           [--exec-path[=<path>]] [-h --html-path] [--man-path] [--info-path]
           [-p|--paginate|--no-pager] [--no-replace-objects] [--bare]
           [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
           <command> [<args>]

The most commonly used git commands are:
add           Add file contents to the index
bisect        Find by binary search the change that introduced a bug
branch       List, create, or delete branches
checkout     Checkout a branch or paths to the working tree
clone        Clone a repository into a new directory
commit       Record changes to the repository
diff          Show changes between commits, commit and working tree, etc
fetch        Download objects and refs from another repository
grep          Print lines matching a pattern
init          Create an empty Git repository or reinitialize an existing one
log           Show commit logs
merge        Join two or more development histories together
mv            Move or rename a file, a directory, or a symlink
pull          Fetch from and integrate with another repository or a local branch
push          Update remote refs along with associated objects
rebase        Forward-port local commits to the updated upstream head
reset        Reset current HEAD to the specified state
rm            Remove files from the working tree and from the index
show          Show various types of objects
status        Show the working tree status
tag           Create, list, delete or verify a tag object signed with GPG

'git help -a' and 'git help -g' lists available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
~/firstproject$ |
```



버전 관리 진행하기

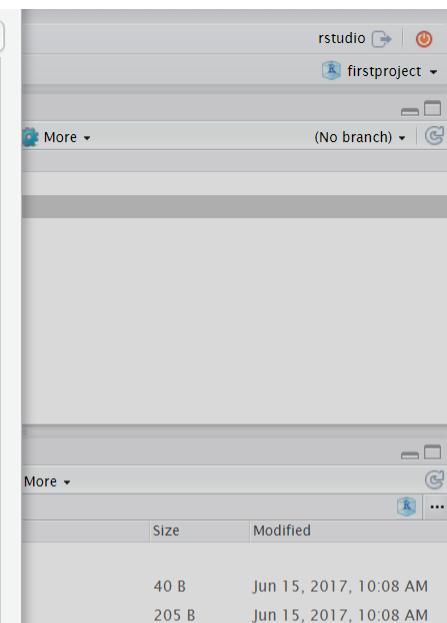
카톡@parkets

The screenshot shows the RStudio interface with a terminal window open. The title bar says "Shell". The terminal content is as follows:

```
~/firstproject$ git
usage: git [--version] [--help] [-C <path>] [-c name=value]
           [--exec-path[=<path>]] [-h[tml]-path] [--man-path] [--info-path]
           [-p|--paginate|--no-pager] [--no-replace-objects] [--bare]
           [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
           <command> [<args>]

The most commonly used git commands are:
add           Add file contents to the index
bisect        Find by binary search the change that introduced a bug
branch       List, create, or delete branches
checkout     Checkout a branch or paths to the working tree
clone        Clone a repository into a new directory
commit       Record changes to the repository
diff          Show changes between commits, commit and working tree, etc
fetch        Download objects and refs from another repository
grep          Print lines matching a pattern
init          Create an empty Git repository or reinitialize an existing one
log           Show commit logs
merge        Join two or more development histories together
mv            Move or rename a file, a directory, or a symlink
pull          Fetch from and integrate with another repository or a local branch
push          Update remote refs along with associated objects
rebase        Forward-port local commits to the updated upstream head
reset        Reset current HEAD to the specified state
rm            Remove files from the working tree and from the index
show          Show various types of objects
status        Show the working tree status
tag           Create, list, delete or verify a tag object signed with GPG

'git help -a' and 'git help -g' lists available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
~/firstproject$ git config --global user.email "mrchypark@gmail.com"
~/firstproject$ git config --global user.name "mrchypark"
~/firstproject$
```



버전 관리 진행하기

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The screenshot shows the RStudio interface with a Git commit dialog open over a file browser.

Console:

```
R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
Copyright (C) 2017 The R Foundation for Statistical Computing
Platform: x86_64-pc-linux-gnu (64-bit)

R is free software and
You are welcome to redistribute it.
Type 'license()' or
R is a collaborative
Type 'contributors()'.
'citation()' on how to
Type 'demo()' for some
'debug.start()' for an
Type 'q()' to quit R.

15 Jun 2017 01:09:17
15 Jun 2017 01:09:17
> |
```

Git Environment:

Environment History Git

- Diff Commit Pull Push History More
- Staged Status Path .gitignore

Commit Dialog:

RStudio: Review Changes - Chrome
localhost:8787/?view=review_changes

Changes History (No branch) Stage Revert Ignore

Commit message

Amend previous commit Commit

Show Staged Unstaged Context 5 line

```
@@ -0,0 +1,4 @@
1 .Rproj.user
2 .Rhistory
3 .RData
4 .Ruserdata
```

File Browser:

Viewer Delete Rename More

	Size	Modified
	40 B	Jun 15, 2017, 10:08 AM
	205 B	Jun 15, 2017, 10:08 AM

버전 관리 진행하기

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The screenshot shows the RStudio interface with a focus on version control. A modal dialog titled "RStudio: Review Changes - Chrome" is open in the center. It displays two files in the "Changes" tab: ".gitignore" and "firstproject.Rproj", both marked as staged (green A icon). Below the list is a "Commit message" field and a "Commit" button. To the right of the modal, the main RStudio environment shows the "Git" tab selected in the top bar. The "Environment" and "History" tabs are also visible. In the bottom right corner, there is a file browser window titled "Viewer" showing a list of files with their sizes and modification dates.

R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
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 details.

R is a collaborative project and Type 'contributors()' or
'citation()' on how to cite it.
Type 'demo()' for some demos, 'help.start()' for an
introduction, and 'q()' to quit R.

15 Jun 2017 01:09:17
15 Jun 2017 01:09:17
> |

Environment History Git

Diff Commit Pull Push History More

Staged Status Path .gitignore

RStudio: Review Changes - Chrome

localhost:8787/?view=review_changes

Changes History (No branch) Stage Revert Ignore

Staged Status Path .gitignore firstproject.Rproj

Commit message

Amend previous commit Commit

Show Staged Unstaged Context 5 line

Viewer

Delete Rename More

	Size	Modified
	40 B	Jun 15, 2017, 10:08 AM
	205 B	Jun 15, 2017, 10:08 AM

버전 관리 진행하기

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The screenshot shows the RStudio interface with a Git commit dialog open over a file browser.

Console:

```
R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
Copyright (C) 2017 The R Foundation for Statistical Computing
Platform: x86_64-pc-linux-gnu (64-bit)

R is free software and
You are welcome to redistribute it.
Type 'license()' or
R is a collaborative
Type 'contributors()',
'citation()' on how to
Type 'demo()' for some
'help.start()' for an
Type 'q()' to quit R.

15 Jun 2017 01:09:17
15 Jun 2017 01:09:17
> |
```

Git Dialog (RStudio: Review Changes - Chrome):

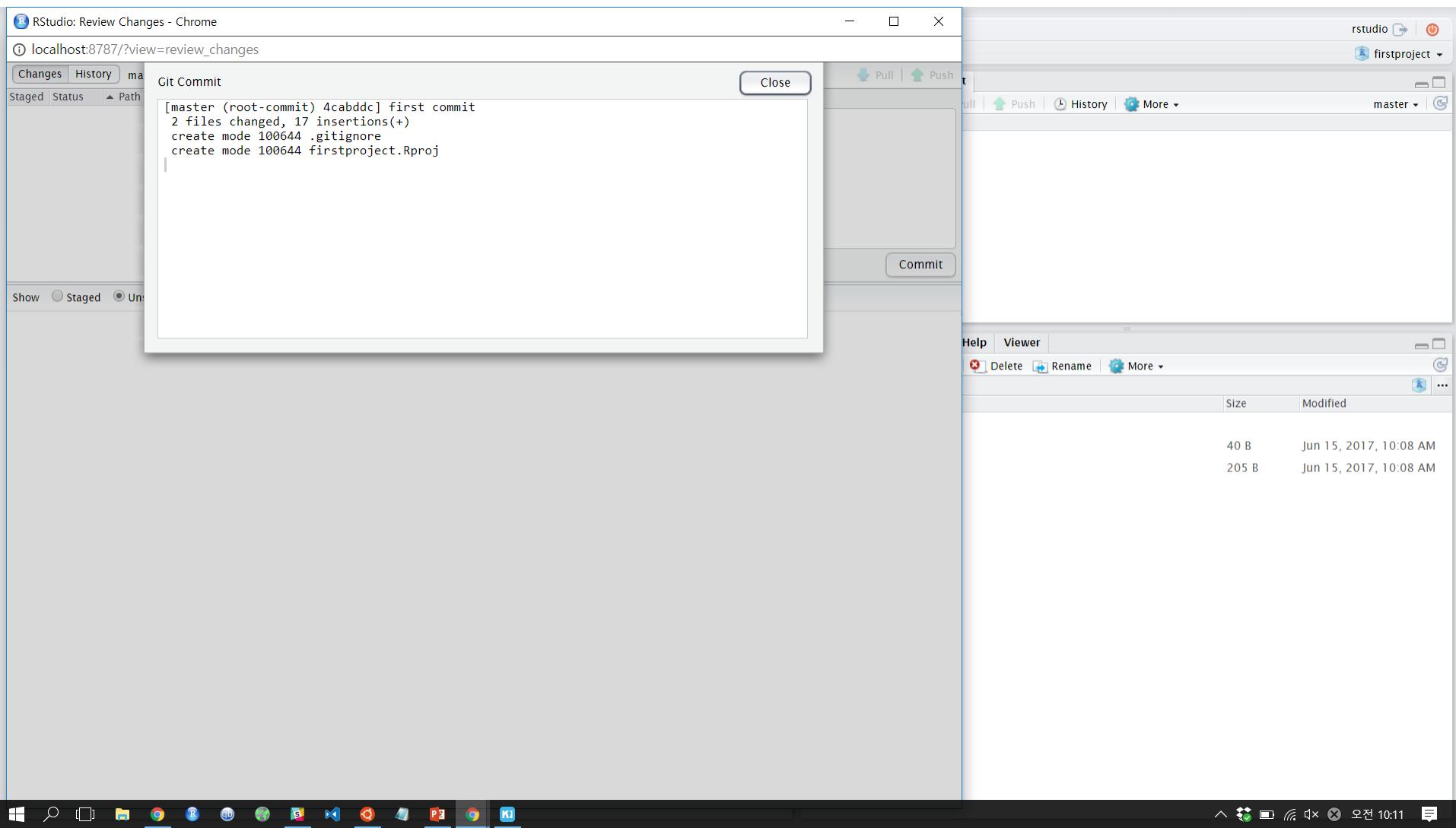
- URL: localhost:8787/?view=review_changes
- Changes Tab selected
- Commit message: first commit
- Commit button

File Browser:

	Size	Modified
	40 B	Jun 15, 2017, 10:08 AM
	205 B	Jun 15, 2017, 10:08 AM

버전 관리 진행하기

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버전 관리 진행하기

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The screenshot shows the RStudio interface with two panes. The left pane displays a commit history for a project named 'firstproject'. The commit details are as follows:

Subject	Author	Date	SHA
HEAD master first commit	mrchypark <mrchypark@gmail.com>	2017-06-15	4cabddc2

The commit message is "first commit". Below the commit details, the file changes are listed:

- .gitignore**:
@@ -0,0 +1,4 @@
1 .Rproj.user
2 .Rhistory
3 .RData
4 .Ruserdata
- firstproject.Rproj**:
@@ -0,0 +1,13 @@
1 Version: 1.0
2
3 RestoreWorkspace: Default
4 SaveWorkspace: Default
5 AlwaysSaveHistory: Default
6
7 EnableCodeIndexing: Yes
8 UseSpacesForTab: Yes
9 NumSpacesForTab: 2
10 Encoding: UTF-8
11
12 RnwWeave: Sweave
13 LaTeX: pdfLaTeX

The right pane shows the file system tree for the 'firstproject' directory, listing files like 'RData' and 'Ruserdata' with their sizes and modification dates.

History

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R ~/project/N2H4 - master - RStudio

File Edit Code View Plots Session Build Debug Profile

getNewsTrend.R DESCRIPTION

Changes History master (all commits) Search Pull

pass warning
fix typo
refac content func
new version
refac content func
Merge branch 'master' of https://github.com/mrchypark/N2H4
fix videoUrl
fix test
change test
fix typo
append test code
set testthat
add preprocessing gelContent func content
Update README.md
Merge pull request #27 from mrchypark/master
fix typo
Merge pull request #26 from mrchypark/master
add getQtrand func
Merge pull request #25 from mrchypark/master
remove XML dep
custom for query url
remove pageNum
add param stPaper for get data
add date param
Merge pull request #24 from mrchypark/master
update readme
add qurl
Update setUrls.R

mrchypark <mrchypark@gmail.com> 2017-05-22 3ad7e498
mrchypark <mrchypark@gmail.com> 2017-05-22 5bcc1a6
mrchypark <mrchypark@gmail.com> 2017-05-22 b492e2b
mrchypark <mrchypark@gmail.com> 2017-05-22 a87b04f5
mrchypark <mrchypark@gmail.com> 2017-05-22 cd8a5a81
mrchypark <mrchypark@gmail.com> 2017-05-10 30400414
mrchypark <mrchypark@gmail.com> 2017-05-10 8b12543c
mrchypark <mrchypark@gmail.com> 2017-05-02 c9c9ada6
mrchypark <mrchypark@gmail.com> 2017-05-01 dc1b642c
mrchypark <mrchypark@gmail.com> 2017-05-01 0b6f55c3
mrchypark <mrchypark@gmail.com> 2017-05-01 68c5a8ec
mrchypark <mrchypark@gmail.com> 2017-04-30 52be17b
mrchypark <mrchypark@gmail.com> 2017-04-30 6ba0509d
Chan-Yub Park <mrchypark@gmail.com> 2017-04-30 f7b630ab
Chan-Yub Park <mrchypark@gmail.com> 2017-04-30 6b188f03
mrchypark <mrchypark@gmail.com> 2017-04-30 0dd0d3b9b
Chan-Yub Park <mrchypark@gmail.com> 2017-04-30 543aa487
mrchypark <mrchypark@gmail.com> 2017-04-30 3bc03dd5
Chan-Yub Park <mrchypark@gmail.com> 2017-04-29 5dde7c1b
mrchypark <mrchypark@gmail.com> 2017-04-29 9022f638
mrchypark <mrchypark@gmail.com> 2017-04-29 dc282c44
mrchypark <mrchypark@gmail.com> 2017-04-29 42de22a0
mrchypark <mrchypark@gmail.com> 2017-04-29 e340e7bd
mrchypark <mrchypark@gmail.com> 2017-04-29 e520dd67
Chan-Yub Park <mrchypark@gmail.com> 2017-04-29 1df2cf4
mrchypark <mrchypark@gmail.com> 2017-04-29 f26a2164
mrchypark <mrchypark@gmail.com> 2017-04-29 3c1f4392
Chan-Yub Park <mrchypark@gmail.com> 2017-04-28 0c177c1c

Stupid Darkness"
or Statistical Computing
bit)
OLUTELY NO WARRANTY.
der certain conditions.
istribution details.
y contributors.
ation and
ckages in publications.
' for on-line help, or
terface to help.

Size Modified

45 B Jun 13, 2017, 12:25 AM
32 B Jun 13, 2017, 12:25 AM
5.8 KB Jun 13, 2017, 4:42 AM
223 B Jun 13, 2017, 12:25 AM
26 B Jun 13, 2017, 12:25 AM
847 B Jun 13, 2017, 12:52 AM
41 B Jun 13, 2017, 12:25 AM
446 B Jun 13, 2017, 12:25 AM
565 B Jun 13, 2017, 12:25 AM
5.3 KB Jun 13, 2017, 12:25 AM

SHA a9a2e6be
Author mrchypark <mrchypark@gmail.com>
Date 2017-06-12 15:52
Subject fix trand if result 0
Parent 44702f45

DESCRIPTION
R/getNewsTrend.R

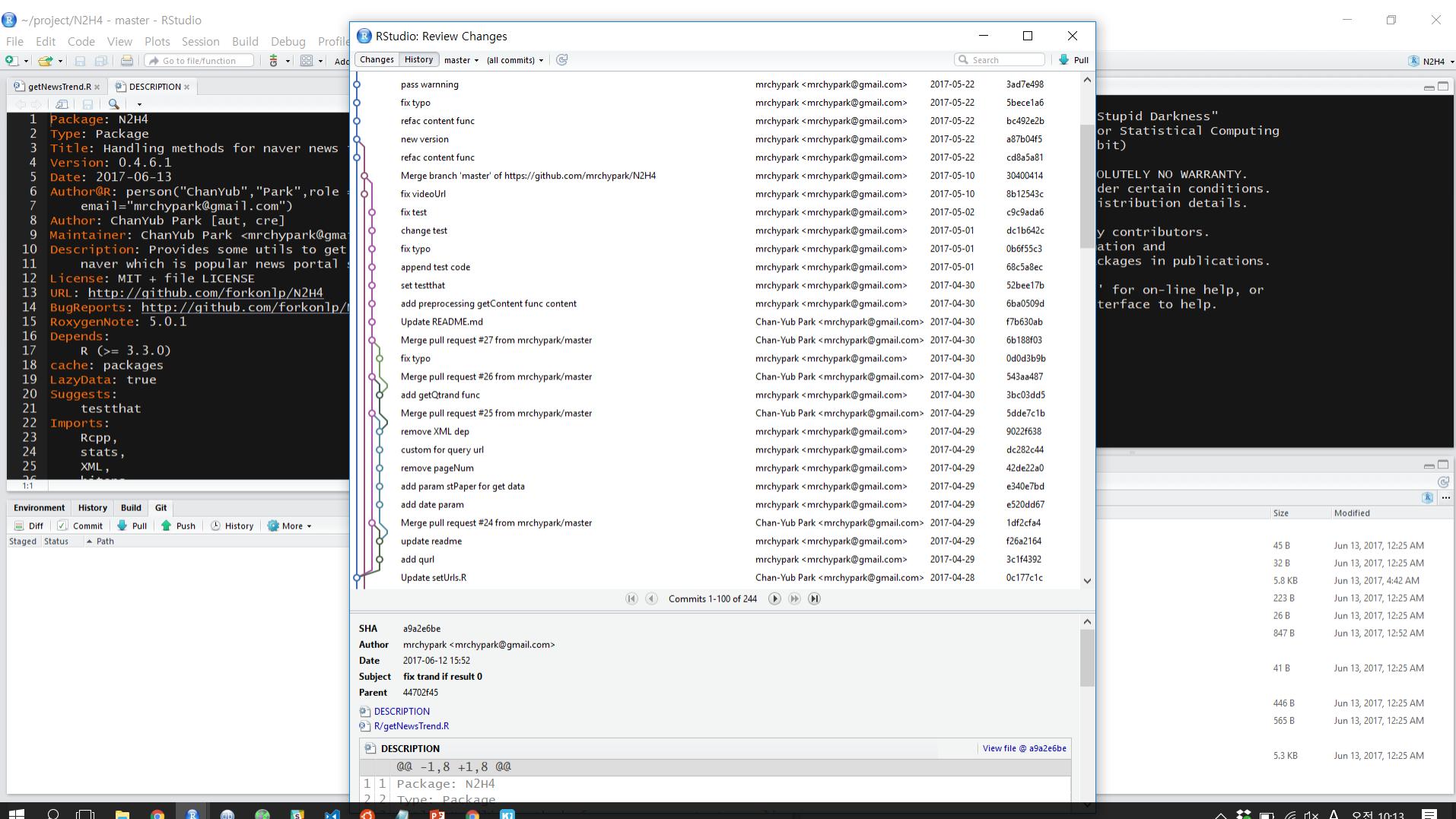
DESCRIPTION
@@ -1,8 +1,8 @@
1 | 1 Package: N2H4
2 | 2 Type: Package

View file @ a9a2e6be

Environment History Build Git

Diff Commit Pull Push History More

Staged Status Path



최근 변경점으로 되돌리기

카톡@parkets

The screenshot shows the RStudio interface with a focus on the Git and History panes.

Git pane: The "History" tab is selected. A "revert" button is visible in the top right corner. The commit history shows a single entry for "revert".

Changes pane: The "Changes" tab is selected. It displays a diff view comparing the current state with the previous commit. The changes are:

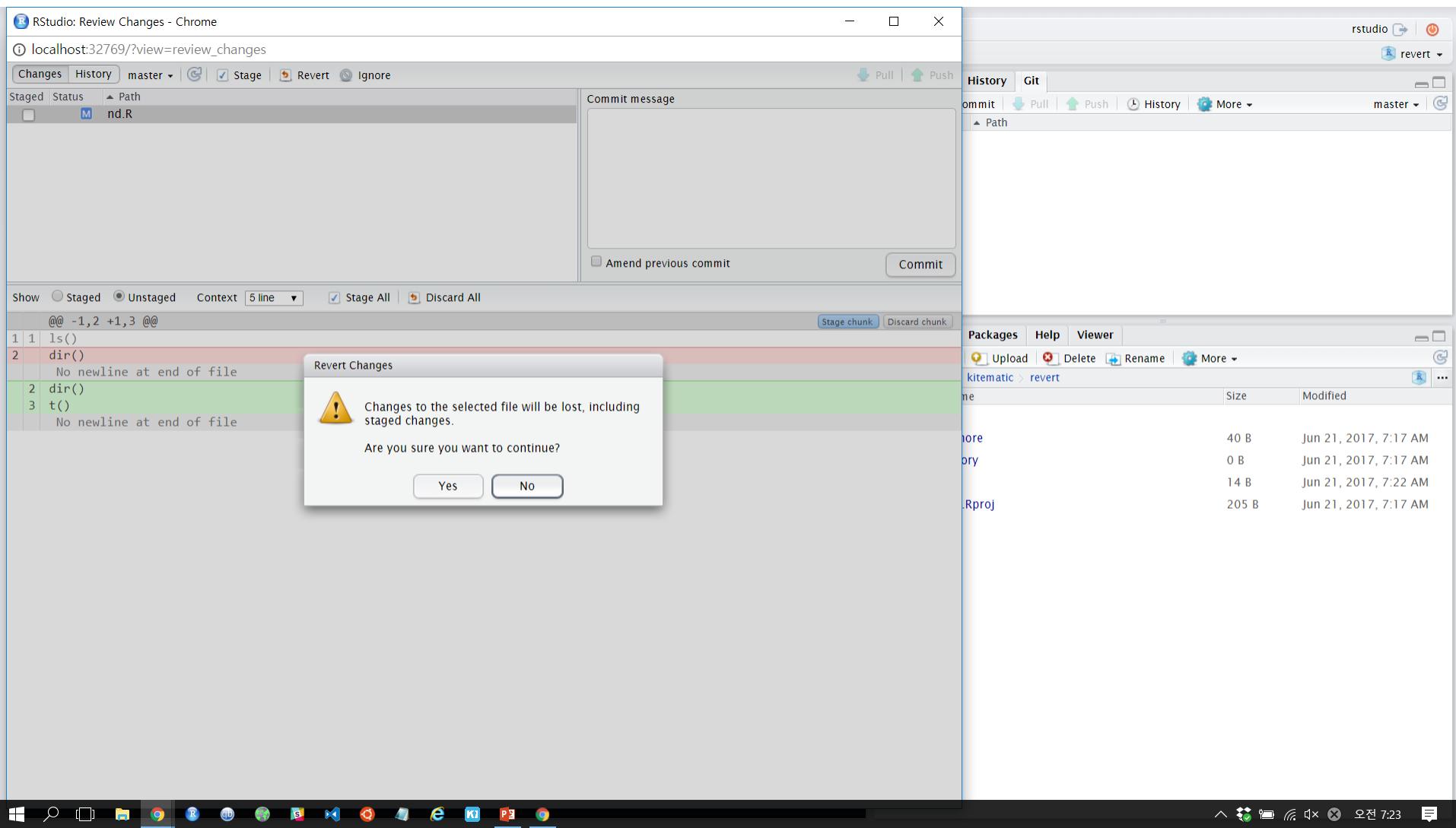
```
@@ -1,2 +1,3 @@
1 1 ls()
2 -dir()
   No newline at end of file
2 dir()
3 t()
   No newline at end of file
```

Packages pane: Shows the contents of a directory named "revert".

Name	Size	Modified
more	40 B	Jun 21, 2017, 7:17 AM
copy	0 B	Jun 21, 2017, 7:17 AM
14 B	14 B	Jun 21, 2017, 7:22 AM
.Rproj	205 B	Jun 21, 2017, 7:17 AM

최근 변경점으로 되돌리기

카톡@parkets



최근 변경점으로 되돌리기

카톡@parkets

The screenshot shows the RStudio interface with two main windows open:

- Left Window (Review Changes - Chrome):** A browser window displaying the URL `localhost:32769/?view=review_changes`. The tab bar includes "Changes", "History", "master", "Stage", "Revert", and "Ignore". Below the tabs are "Staged" and "Status" buttons, and a "Path" dropdown. The main area is titled "Commit message" with a text input field and a "Commit" button. There is also an "Amend previous commit" checkbox.
- Right Window (Git):** A Git interface showing the "History" tab. It displays a commit history with the following details:

Name	Size	Modified
more	40 B	Jun 21, 2017, 7:17 AM
ory	0 B	Jun 21, 2017, 7:17 AM
ore	10 B	Jun 21, 2017, 7:23 AM
Rproj	205 B	Jun 21, 2017, 7:17 AM

The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray.

최근 변경점으로 되돌리기

카톡@parkets

The screenshot shows the RStudio interface. On the left, the script editor displays the code:

```
nd.R x
1 ls()
2 dir()
```

The console window shows the R startup message and a prompt:

```
R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
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.

> |
```

On the right, the file browser shows a directory structure under 'revert':

Name	Size	Modified
..		
.gitignore	40 B	Jun 21, 2017, 7:17 AM
.Rhistory	0 B	Jun 21, 2017, 7:17 AM
nd.R	10 B	Jun 21, 2017, 7:23 AM
revert.Rproj	205 B	Jun 21, 2017, 7:17 AM

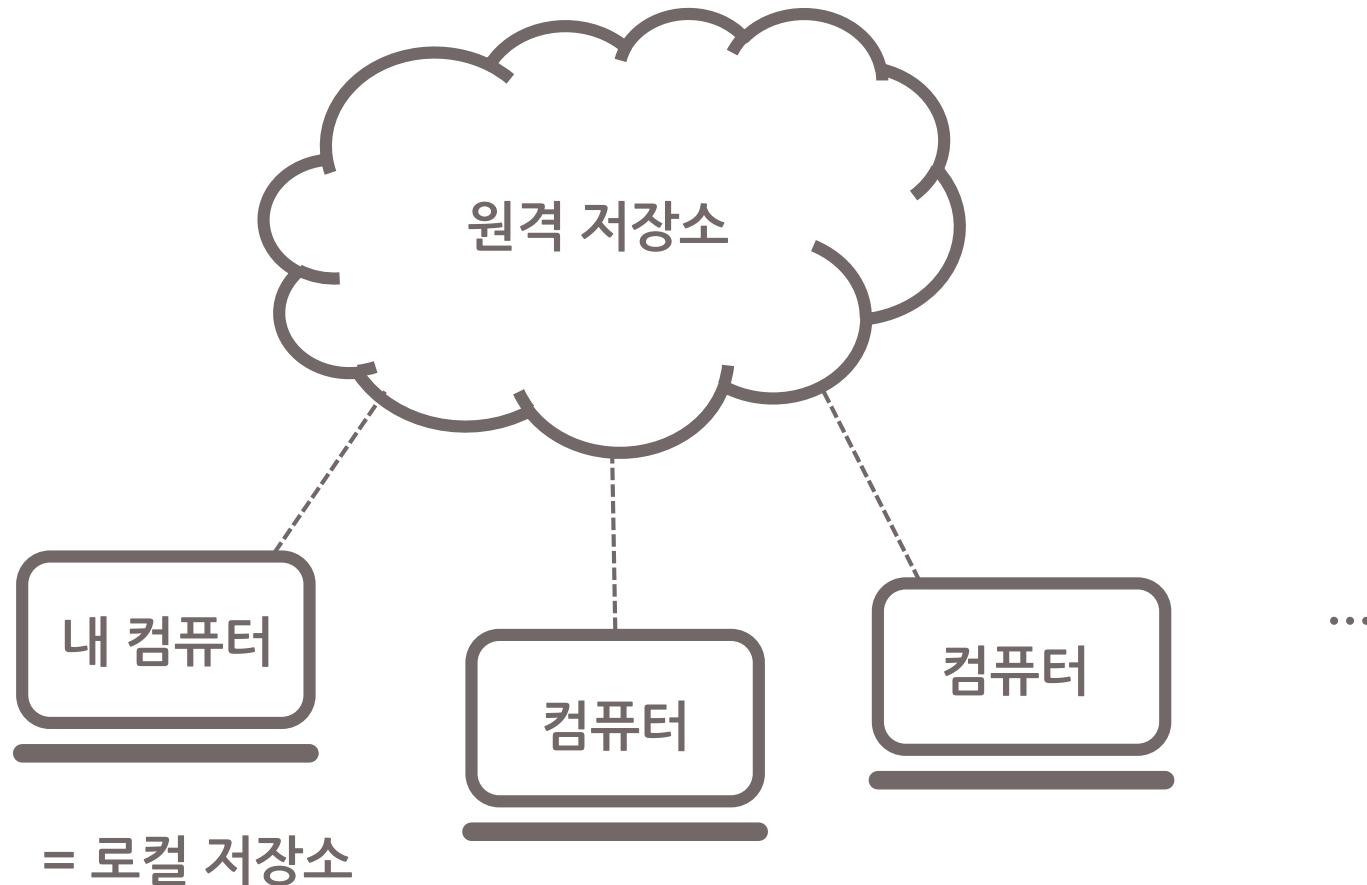
코드 가져다 쓰기

02

REPOSITORY

저장소

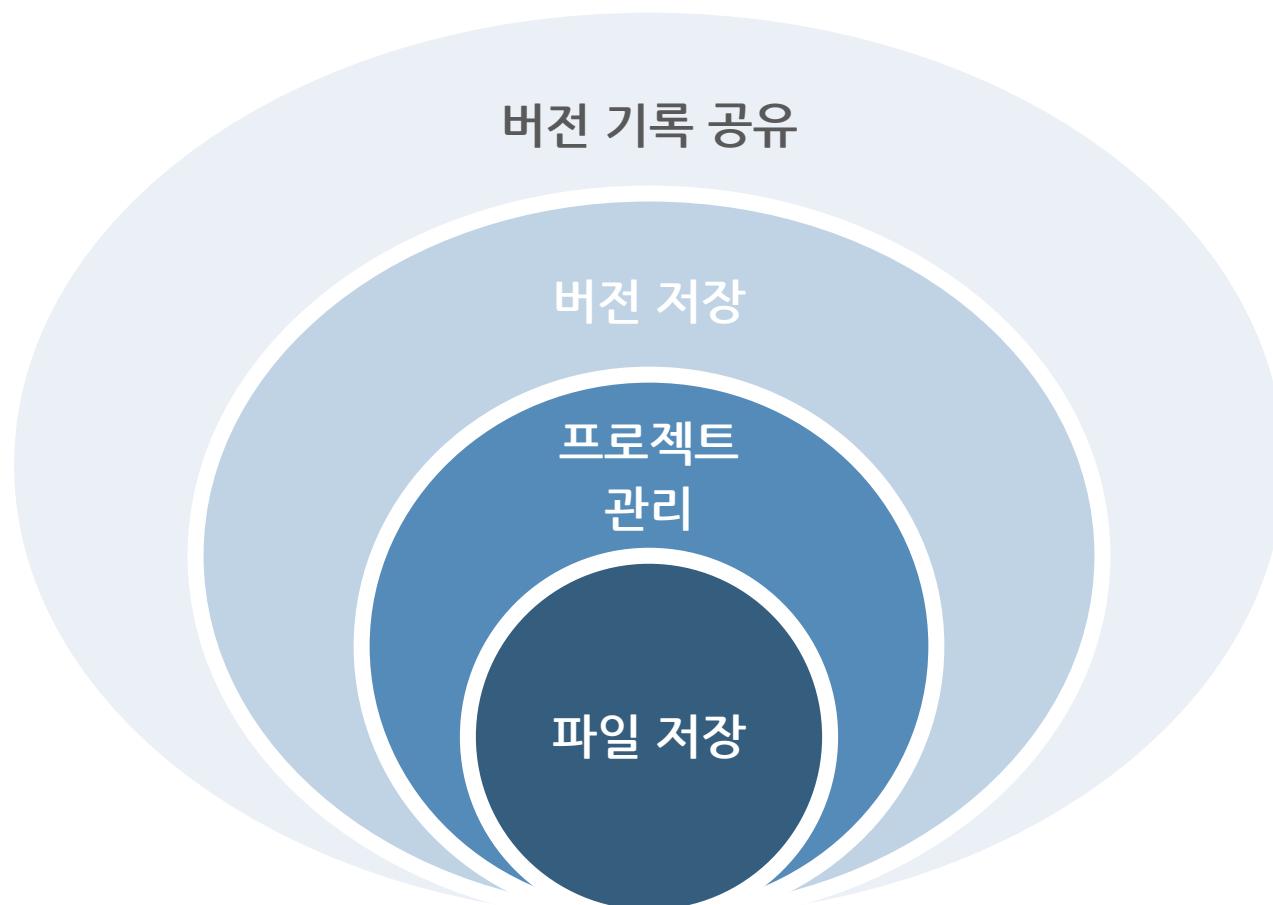
카톡@parkets



1) REMOTE REPOSITORY as a SERVICE

- ① 원격 : local과 대비되는 개념
- ② 저장소 : 프로젝트 폴더
- ③ 서비스 : 유/무료!





Github 둘러보기

카톡@parkets

The screenshot shows a GitHub profile page for the user 'mrchypark'. The top navigation bar includes links for 'Pull requests', 'Issues', 'Marketplace', and 'Gist'. A notification bell icon shows 1 new notification, and a user dropdown menu is visible.

The main content area displays a timeline of recent events:

- An hour ago: **jongrom2** commented on issue [forkonlp/N2H4#13](#).
@mrchypark @smnoh 가장 큰 가능성으로는 curl과 httr을 install.packages 안 하신게 아닐까 싶습니다. install.packages(c("curl","httr"))을 시도해보는 것을 추천드립니다. install.packages...
- 4 hours ago: **dennybritz** pushed to master at [dennybritz/deeplearning-papernotes](#).
58626f0 Merge pull request #9 from ReDeiPirati/master
911d78d Fix double paper
6 more commits »
- 4 hours ago: **dennybritz** merged pull request [dennybritz/deeplearning-papernotes#9](#).
Fix typo and Update papernotes with FAIR's Deal or No Deal, Microsoft HRA, DeepMind Hybrid AE-GANs and Brain One Model To Learn Them All
7 commits with 11 additions and 6 deletions
- 4 hours ago: **dennybritz** commented on pull request [dennybritz/deeplearning-papernotes#9](#).
Looks good, thanks!
- 13 hours ago: **ReDeiPirati** opened pull request [dennybritz/deeplearning-papernotes#9](#).
Fix typo and Update papernotes with FAIR's Deal or No Deal, Microsoft HRA, DeepMind Hybrid AE-GANs and Brain One Model To Learn Them All
7 commits with 11 additions and 6 deletions
- 19 hours ago: **Mabin-J** starred [kovidgoyal/calibre](#)
- a day ago: **tidyverse** added **hadley** to [tidyverse/tidyselect](#)
- 2 days ago: **kimhc6028** starred [imechner/Prince-of-Persia-Apple-II](#)

A modal window titled 'Restrict review dismissals with protected branches' is open, explaining that users can now restrict who is able to dismiss reviews on their protected branch. It includes a 'View 3 new broadcasts' link.

The right sidebar shows two sections:

- Repositories you contribute to (27)**
 - [forkonlp/N2H4](#) 50 ★
 - [forkonlp/dabrp_classnote](#) 2 ★
 - [forkonlp/DNH4](#) 3 ★
 - [forkonlp/kolift](#) 2 ★
 - [forkonlp/WikisourceR](#) 0 ★[Show 22 more repositories...](#)
- Your repositories (76)**
 - New repository
 - Find a repository...
 - All Public Private Sources Forks
 - [rtqkr](#)
 - [N2H4](#)
 - [mrchypark.github.io](#)
 - [forkonlp/N2H4](#)
 - [hangulEntites](#)
 - [qSample](#)
 - [getKindKRX](#)
 - [flaskR-docker](#)

Github 둘러보기

카톡@parkets

The screenshot shows the GitHub homepage with the following elements:

- Header:** Search GitHub, Pull requests, Issues, Marketplace, Gist.
- User Profile:** mrchypark (dropdown menu)
- Activity Feed:**
 - an hour ago: jongrom2 commented on issue forkonlp/N2H4#13 (@mrchypark @smnoh 가장 큰 가능성으로는 curl과 httr을 install.packages 안 하신게 아닐까 싶습니다. install.packages(c("curl","httr"))을 시도해보는 것을 추천드립니다. install.packages...)
 - 4 hours ago: dennybritz pushed to master at dennybritz/deeplearning-papernotes (58626f0 Merge pull request #9 from ReDeiPirati/master, 911d78d Fix double paper, 6 more commits »)
 - 4 hours ago: dennybritz merged pull request dennybritz/deeplearning-papernotes#9 (Fix typo and Update papernotes with FAIR's Deal or No Deal, Microsoft HRA, DeepMind Hybrid AE-GANs and Brain One Model To Learn Them All, 7 commits with 11 additions and 6 deletions)
 - 4 hours ago: dennybritz commented on pull request dennybritz/deeplearning-papernotes#9 (Looks good, thanks!)
 - 13 hours ago: ReDeiPirati opened pull request dennybritz/deeplearning-papernotes#9 (Fix typo and Update papernotes with FAIR's Deal or No Deal, Microsoft HRA, DeepMind Hybrid AE-GANs and Brain One Model To Learn Them All, 7 commits with 11 additions and 6 deletions)
 - 19 hours ago: Mabin-J starred kovidgoyal/calibre
 - a day ago: tidyverse added hadley to tidyverse/tidyselect
- User Menu:** Signed in as mrchypark (Restrict review protected branch, Your profile, Your stars, Explore, Help, Repositories you can contribute to, Settings, Sign out)
- Your repositories:** 76 (rtqkr, N2H4, mrchypark.github.io, forkonlp/N2H4, hangulEntites, qSample, getKindKRX, flaskR-docker)
- Footer:** https://github.com/mrchypark, License of Persia - Apple II 2 days ago

Github 둘러보기

카톡@parkets

Search GitHub Pull requests Issues Marketplace Gist

Overview Repositories 73 Stars 382 Followers 23 Following 15

Pinned repositories

Customize your pinned repositories

tfr-docker-project
Forked from QuantumObject/docker-baseimage
If you want to use tensorflow with rstudio, please try.
★ 3 ⚡ 1

sejongFinData
세종기업데이터 크롤러 및 데이터
R ★ 11 ⚡ 11

data_camp_dabrp
실무 빅데이터 분석을 위한 SQL과 R의 활용 CAMP 수업자료
HTML ★ 1 ⚡ 8

forkonlp/N2H4
네이버 뉴스 수집을 위한 도구
R ★ 50 ⚡ 28

KoNLPPer
KoNLP 결과를 보내주는 flask with r 서버 dockerize
R ★ 2 ⚡ 3

flaskR-docker
R ⚡ 1

929 contributions in the last year

Contribution settings ▾

1 year total
929 contributions
Jun 19, 2016 — Jun 21, 2017

Busiest day
40 contributions
Jun 16



Chan-Yub Park
mrchypark

Data Scientist using r

@scg-ailabs
Seoul, South Korea
mrchypark@gmail.com
<https://kr.linkedin.com/in/chan...>

Organizations

SurT, R, SCG AI Labs

<https://github.com/mrchypark#customize-pinned-repos-modal>

Github 둘러보기

카톡@parkets

The screenshot shows the GitHub homepage. At the top, there's a navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Marketplace, and Gist. On the right, there are user profile icons and dropdown menus. Below the navigation, a large green banner features the text "Learn Git and GitHub without any code!" and a description of the Hello World guide. It includes two buttons: "Read the guide" (green) and "Start a project" (white). To the left, a dashed-line box contains the text "Discover interesting projects and people to populate your personal news feed." and a note about news feeds. It has a "Explore GitHub" button. To the right, a modal window titled "Restrict review dismissals with protected branches" explains how users can restrict who can dismiss reviews on their protected branch. It includes a close button and a link to "View 21 new broadcasts". Below the modal is a section for "Your repositories" with a "New repository" button, a search bar, and filters for All, Public, Private, Sources, and Forks. A repository named "secondproject" is listed.

Search GitHub

Pull requests Issues Marketplace Gist

+

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

Read the guide Start a project

Discover interesting projects and people to populate your personal news feed.

Your news feed helps you keep up with recent activity on repositories you [watch](#) and people you [follow](#).

Explore GitHub

Restrict review dismissals with protected branches

You can now restrict who is able to dismiss reviews on your protected branch.

View 21 new broadcasts

Your repositories 1 [New repository](#)

Find a repository...

All Public Private Sources Forks

secondproject



Github 둘러보기

카톡@parkets

Search GitHub

Pull requests Issues Marketplace Gist

+



ProTip! Updating your profile with your name, location, and a profile picture helps other GitHub users get to know you. [Edit profile](#) x

Overview Repositories 0 Stars 0 Followers 0 Following 0

Popular repositories

You don't have any public repositories yet.

0 contributions in the last year Contribution settings ▾

Less  More

Learn how we count contributions.

This is your **contribution graph**. Your first  is for joining GitHub and you'll earn more as you make [additional contributions](#). More contributions means a darker green square for that day. Over time, your chart might start looking [something like this](#).

We have a quick guide that will show you how to create your first repository and earn more green squares!

 [Read the Hello World guide](#)

Contribution activity Jump to ▾ 2017

Github 둘러보기

카톡@parkets

Search GitHub Pull requests Issues Marketplace Gist

Overview Repositories 73 Stars 382 Followers 23 Following 15

Pinned repositories Customize your pinned repositories

- tfr-docker-project**
Forked from QuantumObject/docker-baseimage
If you want to use tensorflow with rstudio, please try.
★ 3 ⚡ 1
- sejongFinData**
세종기업데이터 크롤러 및 데이터
R ★ 11 ⚡ 11
- data_camp_dabrp**
실무 빅데이터 분석을 위한 SQL과 R의 활용 CAMP 수업자료
HTML ★ 1 ⚡ 8
- forkonlp/N2H4**
네이버 뉴스 수집을 위한 도구
R ★ 50 ⚡ 28
- KoNLPper**
KoNLP 결과를 보내주는 flask with r 서버 dockerize
R ★ 2 ⚡ 3
- flaskR-docker**
R ⚡ 1

929 contributions in the last year Contribution settings ▾

1 year total 929 contributions Jun 19, 2016 — Jun 21, 2017

Busiest day 40 contributions Jun 16

The screenshot shows a GitHub profile for a user named Chan-Yub Park (mrchypark). The profile includes a photo of the user, their name, bio, and contact information. It also lists their organizations and pinned repositories. The pinned repositories section contains six projects, each with a title, description, language, star count, and fork count. Below this is a chart showing contributions over the last year, with a total of 929 contributions from June 19, 2016, to June 21, 2017. The busiest day was June 16 with 40 contributions.

<https://github.com/mrchypark#customize-pinned-repos-modal>

Github 둘러보기

카톡@parkets

mrchypark

Overview Repositories 73 Stars 382 Followers 23 Following 15

SurT SCLN Labs

929 contributions in the last year

Contribution settings ▾

1 year total
929 contributions
Jun 19, 2016 — Jun 21, 2017

Busiest day
40 contributions
Jun 16

Longest streak
11 days
Mar 27 — Apr 6

Current streak
1 days
Jun 20 — Jun 20

Show normal chart ▾

Contribution activity

Jump to ▾ 2017

June 2017

Created 72 commits in 12 repositories 2016

Created 10 repositories 2015

2014

2013

This screenshot shows a GitHub profile page for the user 'mrchypark'. At the top, it displays basic stats: Overview, Repositories (73), Stars (382), Followers (23), and Following (15). Below this is a section titled '929 contributions in the last year' with a 3D bar chart showing daily contribution activity. Key metrics shown are a total of 929 contributions over the period from June 19, 2016, to June 21, 2017, and a busiest day with 40 contributions on June 16. It also highlights a longest streak of 11 days from March 27 to April 6, and a current streak of 1 day from June 20 to June 20. A link to 'Show normal chart' is provided. Below this is a 'Contribution activity' section for June 2017, which lists two events: 'Created 72 commits in 12 repositories' and 'Created 10 repositories'. A 'Jump to' dropdown menu is set to '2017', with other years (2016, 2015, 2014, 2013) listed below. The GitHub logo and several repository icons are visible at the bottom of the main content area.

Github 둘러보기

카톡@parkets

The screenshot shows a GitHub profile page for a user named Chan-Yub Park (mrchypark). The top navigation bar includes links for Pull requests, Issues, Marketplace, and Gist. The user's profile picture is a selfie of a young man with glasses. Below the profile picture, the user's name is displayed as Chan-Yub Park and mrchypark. The bio indicates they are a Data Scientist using R. The profile also lists their location as Seoul, South Korea, and provides an email address (mrchypark@gmail.com) and a LinkedIn link (<https://kr.linkedin.com/in/chan...>). The user is part of several organizations, including SurT, SCG-AI-Labs, and RSCC AI Labs.

Overview Repositories 73 Stars 382 Followers 23 Following 15

Search repositories... Type: All ▾ Language: All ▾ **New**

rtqkr
실시간 검색어 수집 프로젝트

query project archive keyword naver daum zum

● R ★ 2 2 Updated 17 hours ago

N2H4
Forked from forkonlp/N2H4
네이버 뉴스 수집을 위한 도구

● R ★ 9 28 Updated 2 days ago

mrchypark.github.io
Forked from LeNPaul/Lagrange
박찬업의 개인 블로그입니다.

● HTML ★ 1 109 Updated 2 days ago

hangulEntities
Updated 4 days ago

qSample

Github 둘러보기

카톡@parkets

The screenshot shows a GitHub profile page for a user named Chan-Yub Park (mrchypark). The top navigation bar includes links for Pull requests, Issues, Marketplace, and Gist. The user's profile picture is a selfie of a young man with glasses. Below the profile picture, the user's name is displayed as Chan-Yub Park and their GitHub handle as mrchypark. A bio indicates they are a Data Scientist using r. They are associated with the organization @scg-ailabs, located in Seoul, South Korea, with an email address mrchypark@gmail.com and a LinkedIn profile at https://kr.linkedin.com/in/chan... . The user is also part of several organizations: SurT, R, and Seoul AI Labs.

Overview Repositories 73 Stars 382 Followers 23 Following 15

Search starred repositories... Language: All languages ▾ Sort: Recently starred ▾

tensorflow / magenta ★ Unstar
Magenta: Music and Art Generation with Machine Intelligence
● Jupyter Notebook ★ 6,360 981 Updated 2 hours ago

facebookresearch / ParlAI ★ Unstar
A framework for training and evaluating AI models on a variety of openly available dialog datasets.
● Python ★ 1,852 221 Updated 6 hours ago

ben519 / MLPB ★ Unstar
Machine Learning Problem Bible | Problem Set Here >>
● R ★ 385 107 Updated on 6 Feb

seoul-opengov / opengov ★ Unstar
서울시 행정정보 공개 깃허브입니다.(서울 정보소통광장) Github for the Seoul government information disclosure.
★ 459 63 Updated 2 days ago

Github 둘러보기

카톡@parkets

Search GitHub Pull requests Issues Marketplace Gist

Overview Repositories 73 Stars 382 Followers 23 Following 15

 coldskys coldskys Follow

 JoeUnsung JoeUnsung Follow

 Hyung-jun Kim soeque1 Unfollow

 mangoos mangoos Follow

 Seong Yun Byeon zzsza Follow
Everything is in the Data.
Retrica Incheon, republic of korea

 Leehee Leehee Follow

 parkseungri parkseungri Follow

Github 둘러보기

카톡@parkets

The screenshot shows a GitHub profile page for a user named Chan-Yub Park (mrchypark). The top navigation bar includes links for Pull requests, Issues, Marketplace, and Gist. Below the header, there's a large profile picture of the user, followed by their name and handle (Chan-Yub Park, mrchypark). A bio section indicates they are a Data Scientist using R. Below this, there's information about their organizations, including logos for SCG-AI Labs, SurT, and others.

On the right side, there are sections for Overview, Repositories (73), Stars (382), Followers (23), and Following (15). The Following section is currently active, showing a list of users being followed:

- Kim Heecheol** (kimhc6028) from University of Tokyo, Intelligent systems & Informatics Lab., Seoul, South Korea. [Unfollow](#)
- Kyubyong Park** (Kyubyong) from Lives in Seoul, Korea. Studied Linguistics at SNU and Univ. of Hawaii. KakaoBrain, Seoul, Korea. [Unfollow](#)
- howdark** (howdark) from [Unfollow](#)
- Hyung-jun Kim** (soeque1) from [Unfollow](#)
- Jungkee Song** (jungkees) from Samsung Electronics. [Unfollow](#)
- heymedia** (heymedia) from [Unfollow](#)
- bharath g s** (bharathgs) from Machine learning engineer with a passion for ❤️ AI & Cognitive Neuroscience ❤️. [Unfollow](#)

Github 둘러보기

카톡@parkets

Search GitHub

Pull requests Issues Marketplace Gist

Profile picture

Profile picture

Upload new picture

Public profile

Name

Chan-Yub Park

Public email

mrchypark@gmail.com

You can manage verified email addresses in your [email settings](#).

Bio

Data Scientist using r

You can @mention other users and organizations to link to them.

URL

<https://kr.linkedin.com/in/chanyubpark>

Company

@scg-ailabs

You can @mention your company's GitHub organization to link it.

Location

Seoul, South Korea

Update profile

We store your personal data in the United States. See our [privacy policy](#) for more information.

Contributions

Personal settings

Profile

Account

Emails

Notifications

Billing

SSH and GPG keys

Security

Blocked users

Repositories

Organizations

Saved replies

Authorized OAuth Apps

Authorized GitHub Apps

Installed GitHub Apps

Developer settings

OAuth applications

GitHub Apps

Personal access tokens

Organization settings

코드 가져와서 사용하기

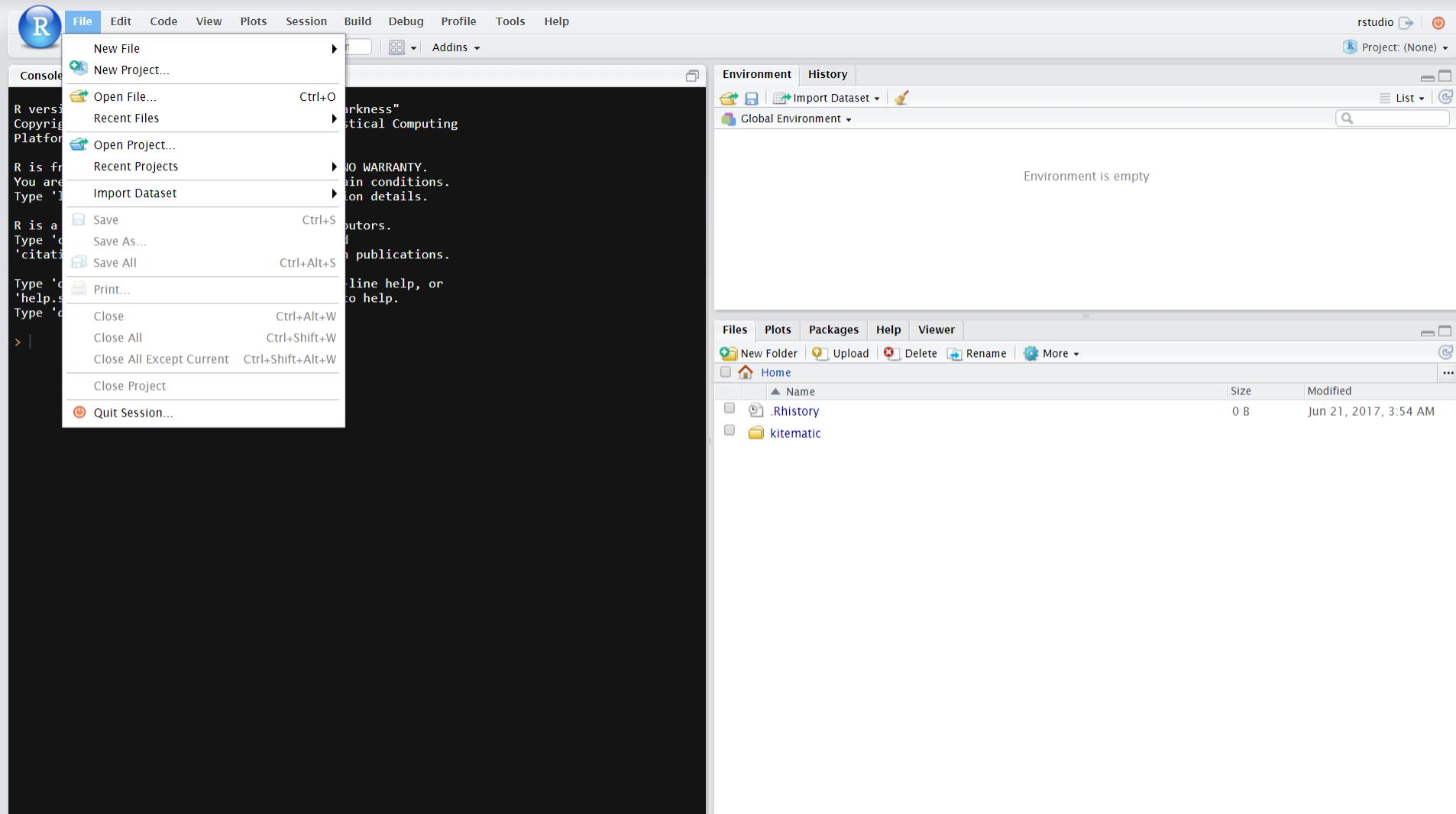
카톡@parkets

The screenshot shows a GitHub repository page for 'mrchypark/sejongFinData'. The repository title is '세종기업데이터 크롤러 및 데이터'. It has 30 commits, 1 branch, 0 releases, and 4 contributors. The latest commit was made on May 14 at 273414. The commit history includes several files like .gitignore, README.md, codeData.RData, codeData.csv, dataAll.RData, dataAll.csv, getTable.R, getdata.R, and sejongFinData.Rproj. The repository has 2 watches, 11 stars, and 11 forks.

File	Message	Time Ago
.gitignore	chg print msg	a month ago
README.md	Update README.md	a month ago
codeData.RData	chg print msg	a month ago
codeData.csv	chg print msg	a month ago
dataAll.RData	init	5 months ago
dataAll.csv	init	5 months ago
getTable.R	init	5 months ago
getdata.R	Merge branch 'master' into master	a month ago
sejongFinData.Rproj	init	5 months ago

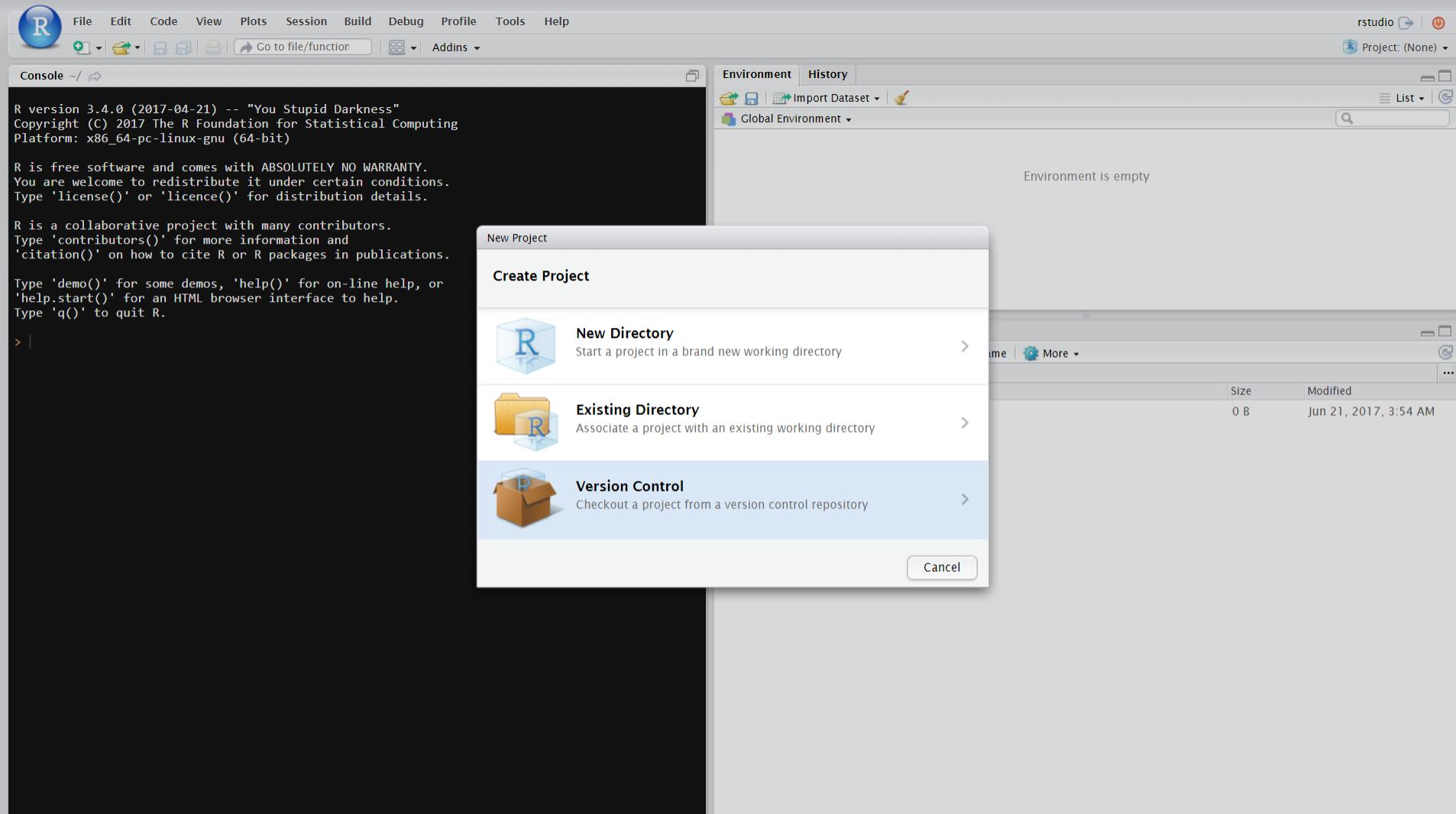
코드 가져와서 사용하기

카톡@parkets



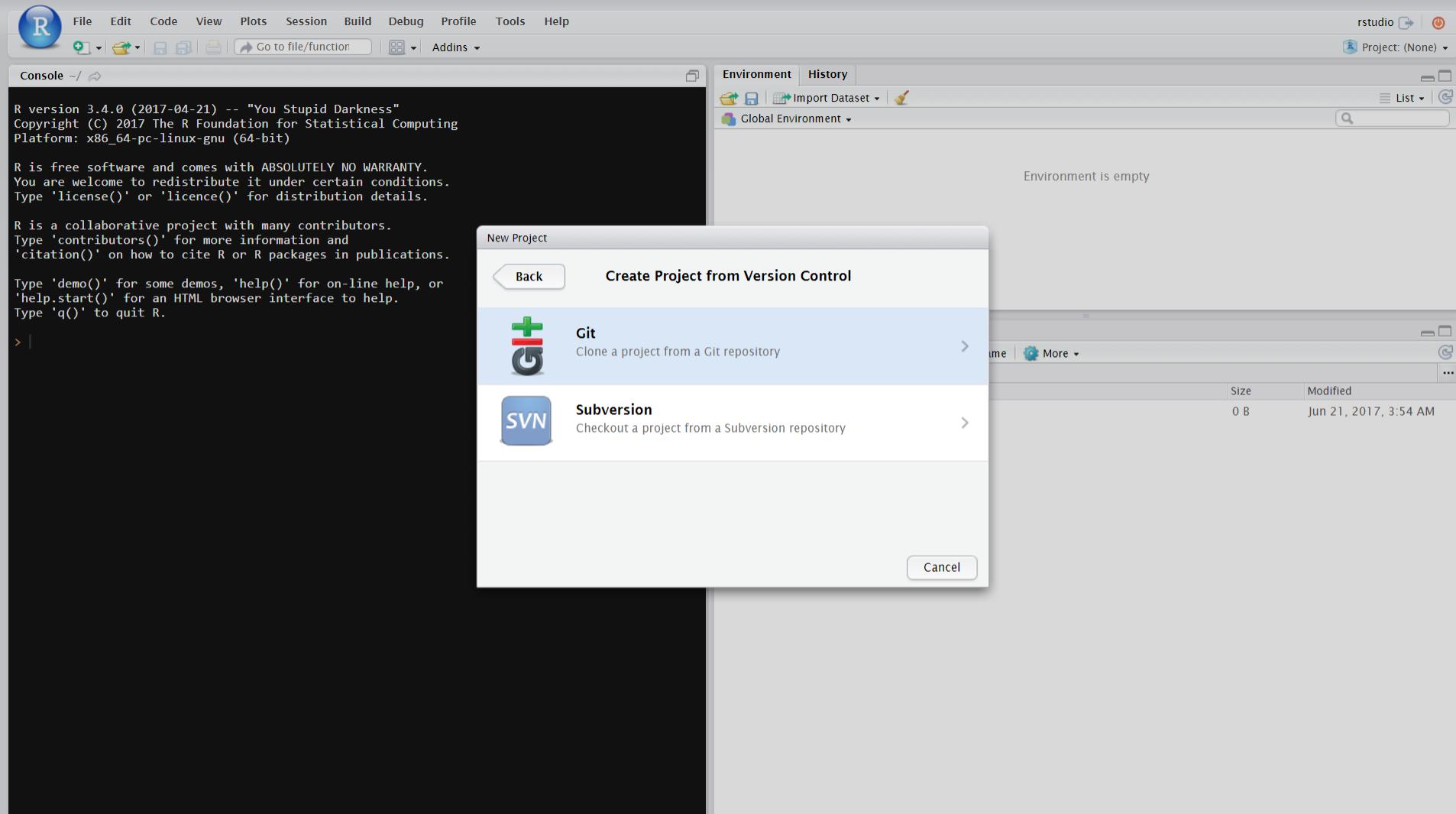
코드 가져와서 사용하기

카톡@parkets



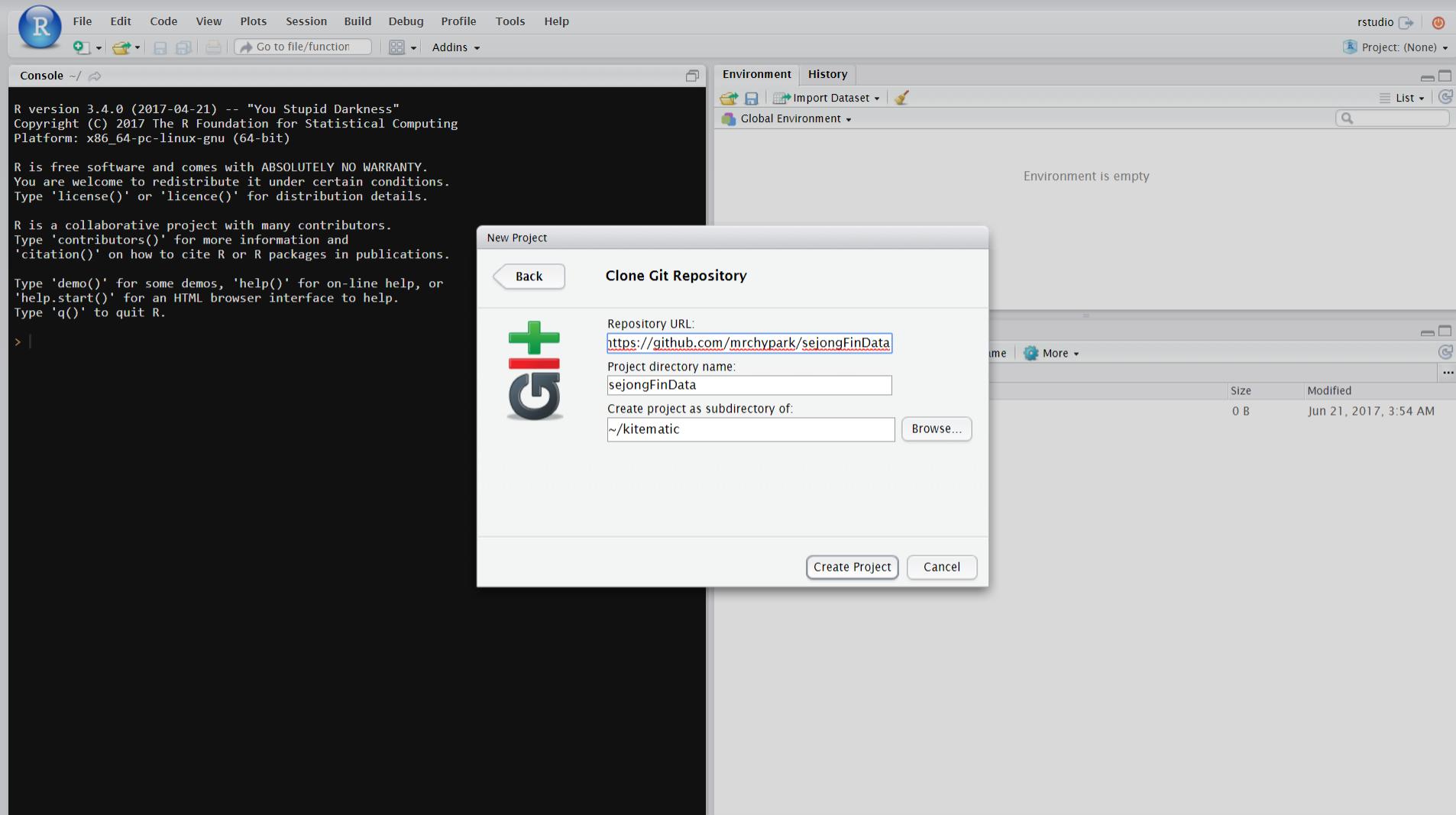
코드 가져와서 사용하기

카톡@parkets



코드 가져와서 사용하기

카톡@parkets



코드 가져와서 사용하기

카톡@parkets

The screenshot shows the RStudio interface with the following components:

- Console pane:** Displays the R startup message and basic usage instructions.
- Environment pane:** Shows the "Global Environment" tab with the message "Environment is empty".
- Files pane:** Shows a file tree under "Home > kitematic > sejongFinData". The contents are listed below:

Name	Size	Modified
..	59 B	Jun 21, 2017, 5:35 AM
.gitignore	46.6 KB	Jun 21, 2017, 5:35 AM
codeData.csv	32.3 KB	Jun 21, 2017, 5:35 AM
codeData.RData	5.1 MB	Jun 21, 2017, 5:35 AM
dataAll.csv	1.2 MB	Jun 21, 2017, 5:35 AM
dataAll.RData	1.1 KB	Jun 21, 2017, 5:35 AM
getdata.R	503 B	Jun 21, 2017, 5:35 AM
getTable.R	2 KB	Jun 21, 2017, 5:35 AM
README.md	205 B	Jun 21, 2017, 5:35 AM
sejongFinData.Rproj		

코드 가져와서 사용하기

카톡@parkets

The screenshot shows the RStudio interface. On the left, the code editor displays the contents of README.md:

```
1 # sejongFinData
2
3 # 변경
4
5 ## 스타는 더욱 많은 코드, 데이터 공개의 힘이 됩니다. ;)
6
7 본 코드는 [세종기업데이터](http://www.sejongdata.com)에 공개된 기업들의 재무데이터를
8 수집하게 작성하였습니다.<br>
9 웹페이지 내 개시된 내용의 저작권은 페이지 운영사에 있으나 기업 재무데이터가 저작권이
10 없는 정보이기 때문에 데이터와 함께 공개합니다.<br>
11 문제가 있을 시 알려주시면 해결하기 위해 노력하겠습니다.
12
13 codeData.csv와 cdedData.RData는 각 기업 코드와 기업명입니다.<br>
14 dataAll.csv와 dataAll.RData는 수집된 원료된 데이터입니다.<br>
15 완료일은 2017년 2월 4일이며 가장 최신의 자료가 필요하지 않는 한 본 저장소에 저장해둔
16 데이터를 사용하시길 권장합니다.<br>
17
18 # R에서 사용법
19 ``
20 # 코드 데이터 가져오기
```

On the right, the R console shows the output of running the code:

```
R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
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.
```

The screenshot shows the RStudio interface with the Global Environment and File Browser panes visible.

In the Global Environment pane, it says "Environment is empty".

In the File Browser pane, the directory structure is shown:

Name	Size	Modified
..	59 B	Jun 21, 2017, 5:35 AM
.gitignore	46.6 KB	Jun 21, 2017, 5:35 AM
codeData.csv	32.3 KB	Jun 21, 2017, 5:35 AM
codeData.RData	5.1 MB	Jun 21, 2017, 5:35 AM
dataAll.csv	1.2 MB	Jun 21, 2017, 5:35 AM
dataAll.RData	1.1 KB	Jun 21, 2017, 5:35 AM
getdata.R	503 B	Jun 21, 2017, 5:35 AM
getTable.R	2 KB	Jun 21, 2017, 5:35 AM
README.md	205 B	Jun 21, 2017, 5:35 AM
sejongFinData.Rproj		

코드 가져와서 사용하기

카톡@parkets

The screenshot shows the RStudio interface with the following components:

- File Explorer:** Shows a directory tree under "sejongsFinData" with files: .gitignore, codeData.csv, codeData.RData, dataAll.csv, dataAll.RData, getdata.R, getTable.R, README.md, and sejongsFinData.Rproj.
- Code Editor:** Displays an R script named "getdata.R" containing code for web scraping. The code uses `rvest` and `stringi` packages to read an HTML page, extract specific nodes, and save the data to a CSV file.
- Console:** Shows the output of running the R script. It includes the R startup message, the execution of the script, and the resulting CSV file "codeData.csv".
- Environment:** Shows the Global Environment pane which is currently empty.

코드 가져와서 사용하기

카톡@parkets

The screenshot shows the RStudio interface with the following components:

- Top Bar:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- File Explorer:** README.md, getdata.R, getTable.R.
- Code Editor:** A script titled "R Script" containing R code for scraping data from a website. The code uses `read_html` and `html_nodes` from the `rvest` package to extract bus board information, then processes it with `stri_trim_both` and `gsub` to clean the title and year, and finally creates a data frame with the year added as a column.
- Console:** Displays the R startup message, version information (R 3.4.0), and standard R help messages.
- Environment:** Shows the Global Environment tab with the message "Environment is empty".
- Files:** A file browser showing the directory structure: Home > kitematic > sejongFinData. It lists files including .gitignore, codeData.csv, codeData.RData, dataAll.csv, dataAll.RData, getdata.R, getTable.R, README.md, and sejongFinData.Rproj. All files were modified on Jun 21, 2017, at 5:35 AM.

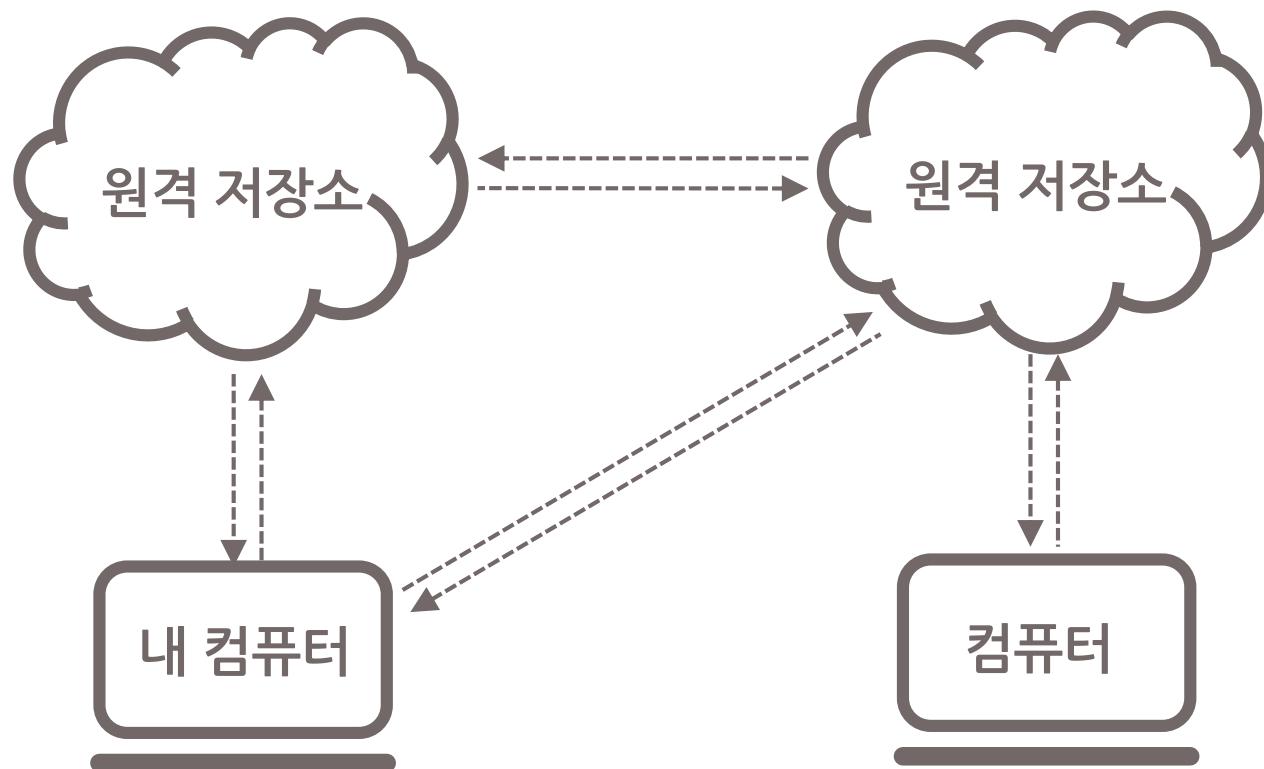
코드 같이 고치기

03

REPOGITORY

저장소

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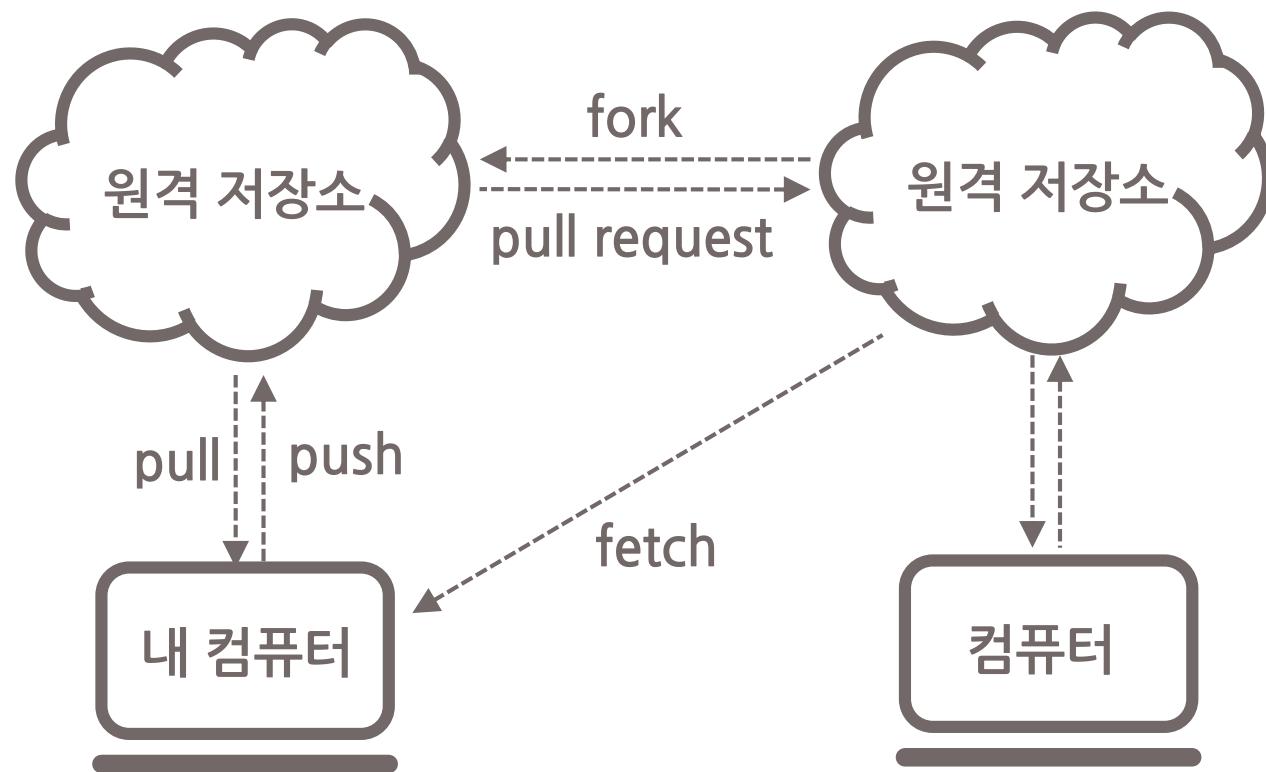


= 로컬 저장소

REPOGITORY

저장소

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= 로컬 저장소



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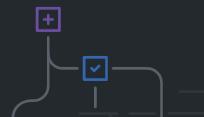
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Use at least one letter, one numeral, and seven characters.

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검색하기

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Overview

Repositories 74

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Search repositories...

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dabrp_classnote2

Rebol Updated 28 seconds ago

rtqkr

실시간 검색어 수집 프로젝트

query project archive keyword naver daum zum

R

★ 2

⌚ 2

Updated 17 hours ago

N2H4

Forked from forkonlp/N2H4

네이버 뉴스 수집을 위한 도구

R

★ 9

⌚ 28

Updated 2 days ago

mrchypark.github.io

Forked from LeNPaul/Lagrange

박찬업의 개인 블로그입니다.

HTML

★ 1

⌚ 109

Updated 2 days ago

hangulEntities

검색하기

카톡@parkets

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classnote2 Type: All ▾ Language: All ▾

1 result for repositories matching classnote2 Clear filter

dabrp_classnote2

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fork하여 코드 수정하기

카톡@parkets

The screenshot shows a GitHub repository page. At the top, there's a navigation bar with links for 'This repository', 'Search', 'Pull requests', 'Issues', 'Marketplace', and 'Gist'. On the right side of the header are buttons for '+', 'Watch' (with 1), 'Star' (with 0), 'Fork' (with 0), and a green 'Clone or download' button.

The main title of the repository is 'mrchypark / dabrp_classnote2'. Below the title, there are tabs for 'Code' (selected), 'Issues 0', 'Pull requests 0', 'Projects 0', 'Wiki', and 'Insights'.

A message 'No description, website, or topics provided.' is displayed below the tabs.

Key statistics are shown in a row: '2 commits', '1 branch', '0 releases', and '1 contributor'.

The 'Branch: master' dropdown is set to 'master'. There are buttons for 'New pull request', 'Create new file', 'Upload files', 'Find file', and 'Clone or download'.

The repository contains the following files:

File	Commit Message	Time
mrchypark 샘플 커밋		Latest commit 115366d a minute ago
folderForClass1	샘플 커밋	a minute ago
.gitignore	샘플 커밋	a minute ago
README.md	Initial commit	3 minutes ago
dabrp_classnote2.Rproj	샘플 커밋	a minute ago
README.md		

The 'README.md' file content is displayed below:

```
dabrp_classnote2
```



fork하여 코드 수정하기

카톡@parkets

This screenshot shows a GitHub repository page for `forvote2016 / dabrp_classnote2`. The repository was forked from `mrchypark/dabrp_classnote2`. The page includes navigation links for Code, Pull requests (0), Projects (0), Wiki, Settings, and Insights. At the top right, there are buttons for Unwatch (1), Star (0), and Fork (1). The main content area displays the title "Forking mrchypark/dabrp_classnote2" and the message "It should only take a few seconds." Below this, there is a "Refresh" button and a cartoon illustration of a fork being stuck into a brownie.



fork하여 코드 수정하기

카톡@parkets

This repository was forked from [mrchypark/dabrp_classnote2](#).

No description, website, or topics provided.

Branch: master ▾ New pull request

Latest commit 115366d a minute ago

File list:

- folderForClass1
- .gitignore
- README.md
- dabrp_classnote2.Rproj

Content of README.md:

```
dabrp_classnote2
```

fork하여 코드 수정하기

카톡@parkets

The screenshot shows a GitHub repository page for 'forvote2016/dabrp_classnote2'. The repository is a fork of 'mrchypark/dabrp_classnote2'. The page includes a navigation bar with links for 'Pull requests', 'Issues', 'Marketplace', and 'Gist'. Below the navigation bar, there are buttons for 'Unwatch' (1), 'Star' (0), and 'Fork' (1). The main content area displays the repository's statistics: 2 commits, 1 branch, 0 releases, and 1 contributor (mrchypark). There are buttons for 'Edit', 'Add topics', 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. A note says 'This branch is even with mrchypark:master.' followed by a list of commits from 'mrchypark' and 'Initial commit'. The README.md file is shown below, containing the text 'dabrp_classnote2'.

No description, website, or topics provided. [Edit](#)

Add topics

Branch: master [New pull request](#)

Create new file Upload files Find file [Clone or download](#)

This branch is even with mrchypark:master. [Pull request](#) [Compare](#)

Commit	Author	Date
mrchypark 샘플 커밋	mrchypark	Latest commit 115366d a minute ago
folderForClass1		a minute ago
.gitignore		a minute ago
README.md		Initial commit 3 minutes ago
dabrp_classnote2.Rproj		샘플 커밋 a minute ago

[README.md](#)

dabrp_classnote2

fork하여 코드 수정하기

카톡@parkets

The screenshot shows the RStudio interface with the following components:

- File Menu:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Project Explorer:** Shows files README.md and getdata.R.
- Code Editor:** Displays the R script content.
- Console:** Displays the R startup message and help text.
- Environment:** Global Environment tab, showing an empty environment.
- File Browser:** Shows the project structure under "sejongsFinData".
- Project Menu:** Open Project... (highlighted), Close Project, sejongsFinData, srs-rmd, Clear Project List, Project Options...

R Script Content:

```
21 print(paste0("done. please check ",getwd()))
22
23 ## function Load
24 source("./getTable.R")
25
26 dataAll<-c()
27
28 for(i in 1:nrow(codeData)){
29   for(j in 1:2){
30     url <- paste0("http://www.sejongsFinData.com/business_include_fr/table_main0_bus_01.html?no=",
31                   codeData[i,1],"&gubun=",j)
32     tem <- getTable(url)
33     tem <- data.frame(country=codeData[i,2],tem)
34     dataAll <- rbind(dataAll,tem)
35     print(paste0(i," / ",nrow(codeData)," / ",j))
36   }
37 }
38
39
40 }
41
42
43
44 write.csv(dataAll,"./dataAll.csv",row.names = F)
45 save(dataAll,file="./dataAll.RData")
46
```

Console Output:

```
R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
Copyright (C) 2017 The R Foundation for Statistical Computing
Platform: x86_64-pc-linux-gnu (64-bit)

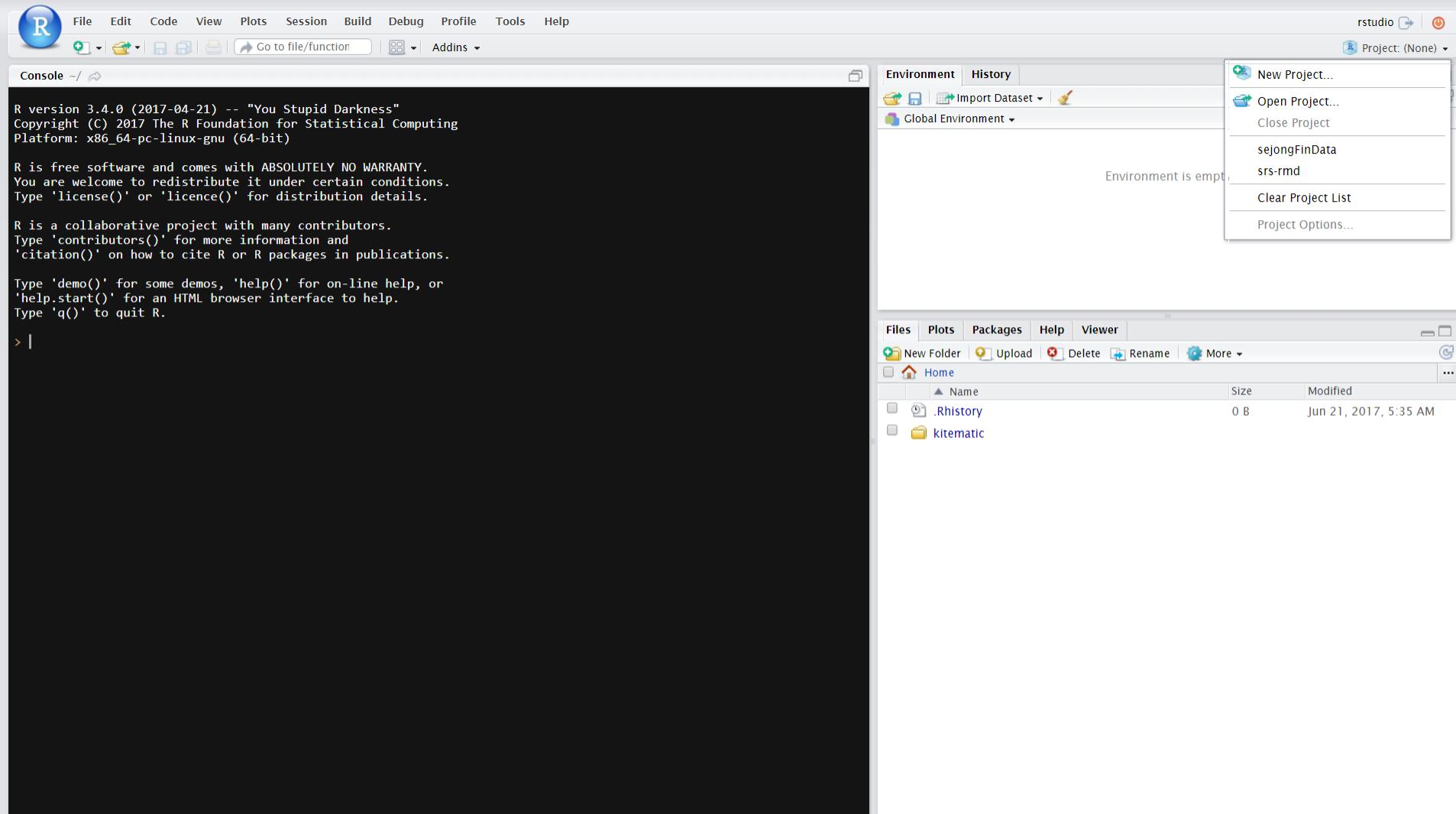
R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

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.
```

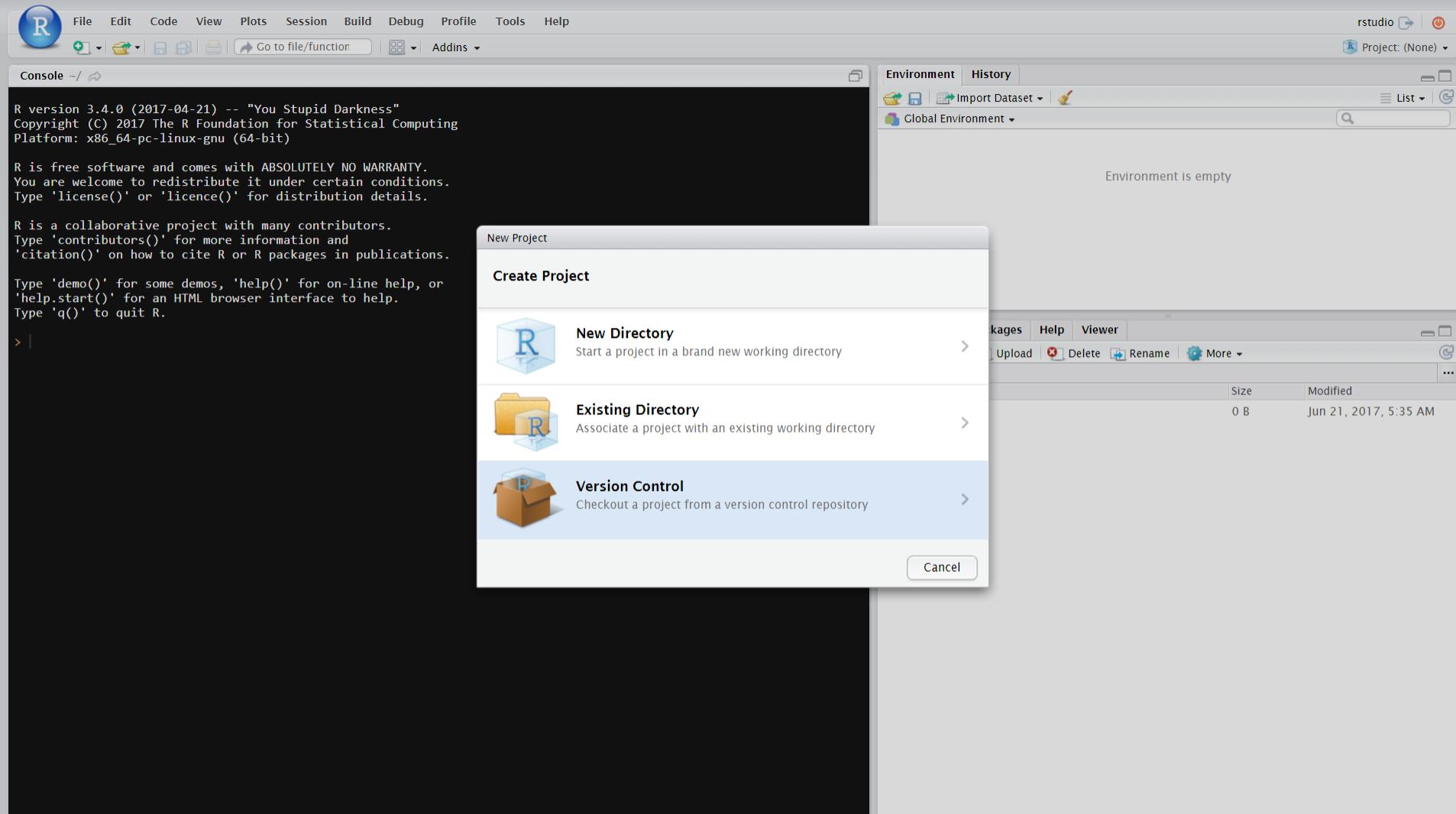
fork하여 코드 수정하기

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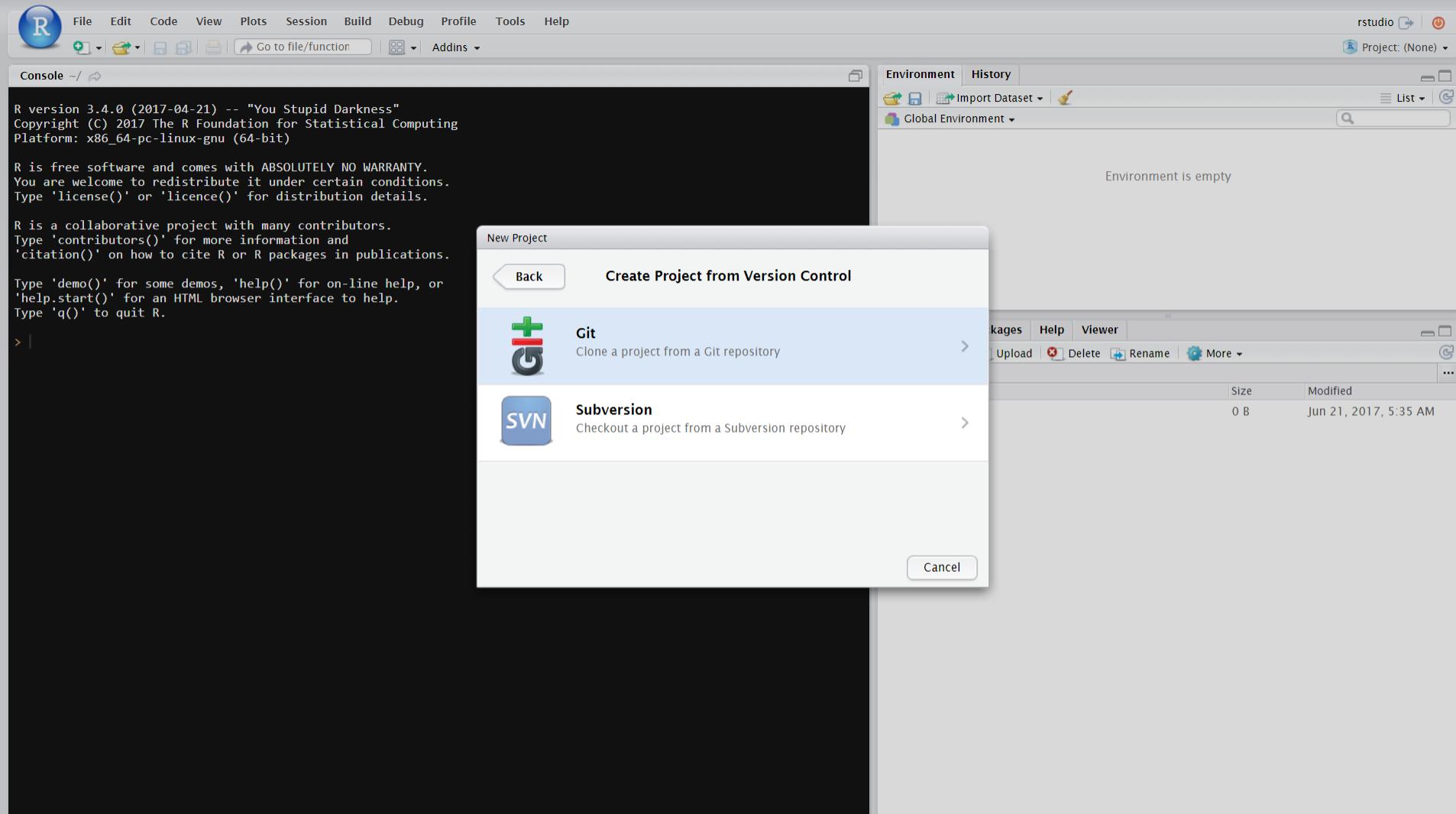
fork하여 코드 수정하기

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fork하여 코드 수정하기

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fork하여 코드 수정하기

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The screenshot shows the RStudio interface with the following details:

- Console View:** Displays the R startup message and license information.
- New Project Dialog:** A modal window titled "Clone Git Repository".
 - Repository URL:** `//github.com/forvote2016/dabrp_classnote2`
 - Project directory name:** `dabrp_classnote2`
 - Create project as subdirectory of:** `~/kitematic`
 - Buttons:** "Create Project" and "Cancel".
- Environment View:** Shows the "Global Environment" tab with the message "Environment is empty".
- File Explorer View:** Shows a single file entry: `0 B Jun 21, 2017, 5:35 AM`.

fork하여 코드 수정하기

카톡@parkets

The screenshot shows the RStudio interface. On the left, the R console displays the standard R startup message. In the center, a "Clone Repository" dialog box is open, showing the progress of cloning a repository named "dabrp.classnote2". The progress bar is at 100%, indicating successful cloning. On the right, the file browser pane shows the directory structure under "Home". It contains two items: ".Rhistory" (0 B, modified Jun 21, 2017, 5:35 AM) and a folder named "kitematic".

R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
Copyright (C) 2017 The R Foundation for Statistical
Platform: x86_64-pc-linux-gnu (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
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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,
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

Clone Repository

Cloning into 'dabrp.classnote2'...
remote: Counting objects: 9, done.
remote: Compressing objects: 25% (1/4)
remote: Compressing objects: 50% (2/4)
remote: Compressing objects: 75% (3/4)
remote: Compressing objects: 100% (4/4)
remote: Compressing objects: 100% (4/4), done.
remote: Total 9 (delta 0), reused 9 (delta 0), pack-reused 0

Environment is empty

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

Name	Size	Modified
.Rhistory	0 B	Jun 21, 2017, 5:35 AM
kitematic		

fork하여 코드 수정하기

카톡@parkets

The screenshot shows the RStudio interface with the following components:

- Console:** Displays the R startup message and basic usage instructions.
- Environment:** Shows the "Global Environment" tab with the message "Environment is empty".
- File Browser:** Shows the directory structure under "dabrp_classnote2":

Name	Size	Modified
..		
.gitignore	40 B	Jun 21, 2017, 5:49 AM
dabrp_classnote2.Rproj	205 B	Jun 21, 2017, 5:49 AM
folderForClass1		
README.md	18 B	Jun 21, 2017, 5:49 AM

fork하여 코드 수정하기

카톡@parkets

The screenshot shows the RStudio interface with the following components:

- Top Bar:** Contains the R logo, menu items (File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help), and a tab for "rstudio".
- Console Tab:** Shows the R startup message and license information.
- Environment Tab:** Displays the message "Environment is empty".
- File Browser:** Shows a directory structure under "dabrp_classnote2":

Name	Size	Modified
..		
.gitignore	40 B	Jun 21, 2017, 5:49 AM
dabrp_classnote2.Rproj	205 B	Jun 21, 2017, 5:49 AM
folderForClass1		
README.md	18 B	Jun 21, 2017, 5:49 AM

fork하여 코드 수정하기

카톡@parkets

The screenshot shows the RStudio interface. On the left, the code editor displays a file named 'sample.R' with the single line of code: 'print("hello world!")'. The console window below it shows the standard R startup message and a prompt. On the right, the environment pane indicates that the environment is empty. The file browser pane shows a directory structure under 'dabrp_classnote2' with a file named 'sample.R'.

```
1 print("hello world!")
```

```
R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
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.
```

fork하여 코드 수정하기

카톡@parkets

The screenshot shows the RStudio interface with the following components:

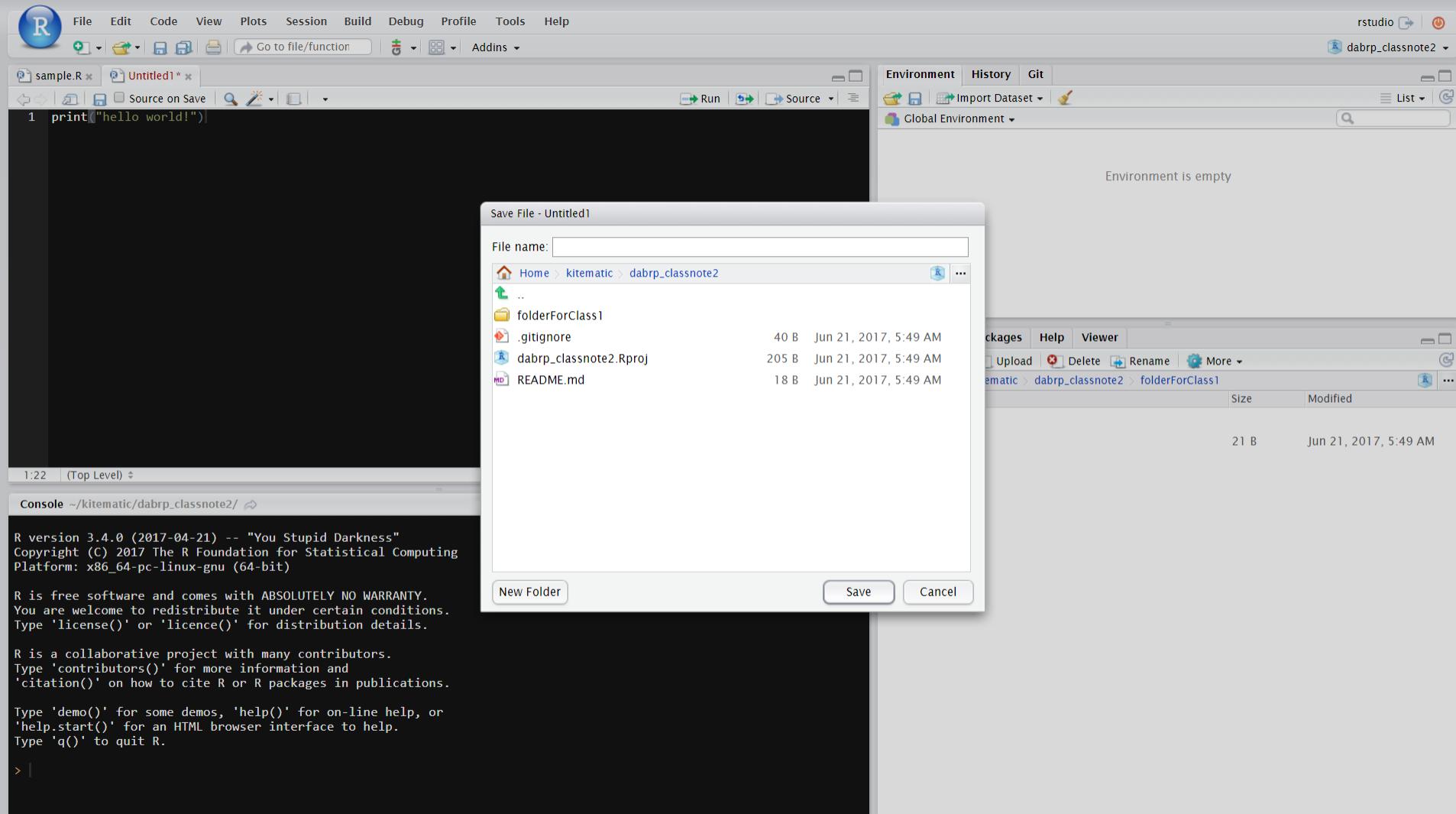
- Top Bar:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- File Explorer:** Shows files like sample.R and Untitled1.
- Code Editor:** Displays the R code:

```
1 print("hello world!")
```
- Console:** Shows the R startup message and a prompt:

```
R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"  
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:** Shows the Global Environment tab with the message "Environment is empty".
- File Browser:** Shows a file structure: Home > kitematic > dabrp_classnote2 > folderForClass1. Inside, there is a file named sample.R with a size of 21 B and a modified date of Jun 21, 2017, 5:49 AM.

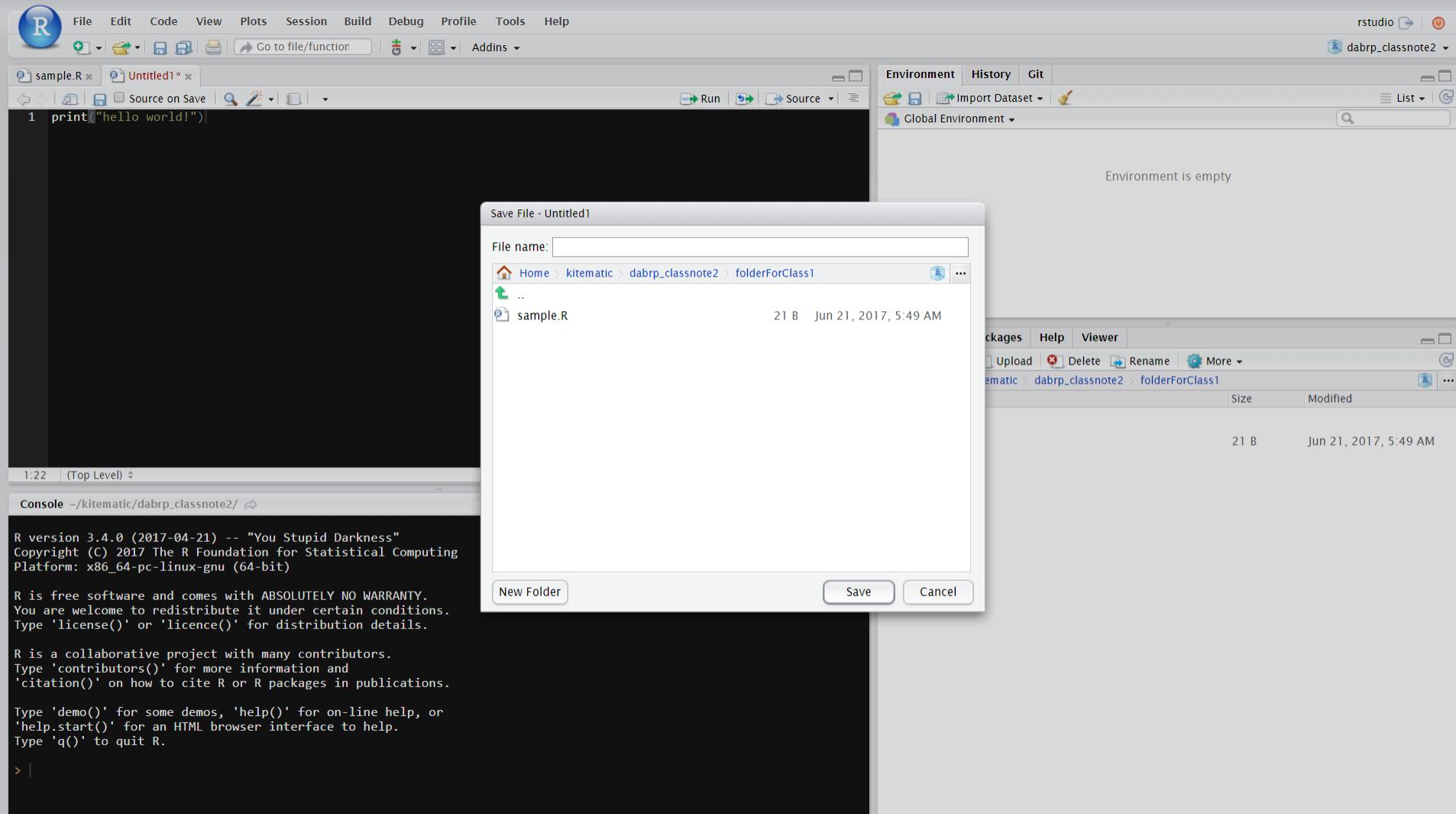
fork하여 코드 수정하기

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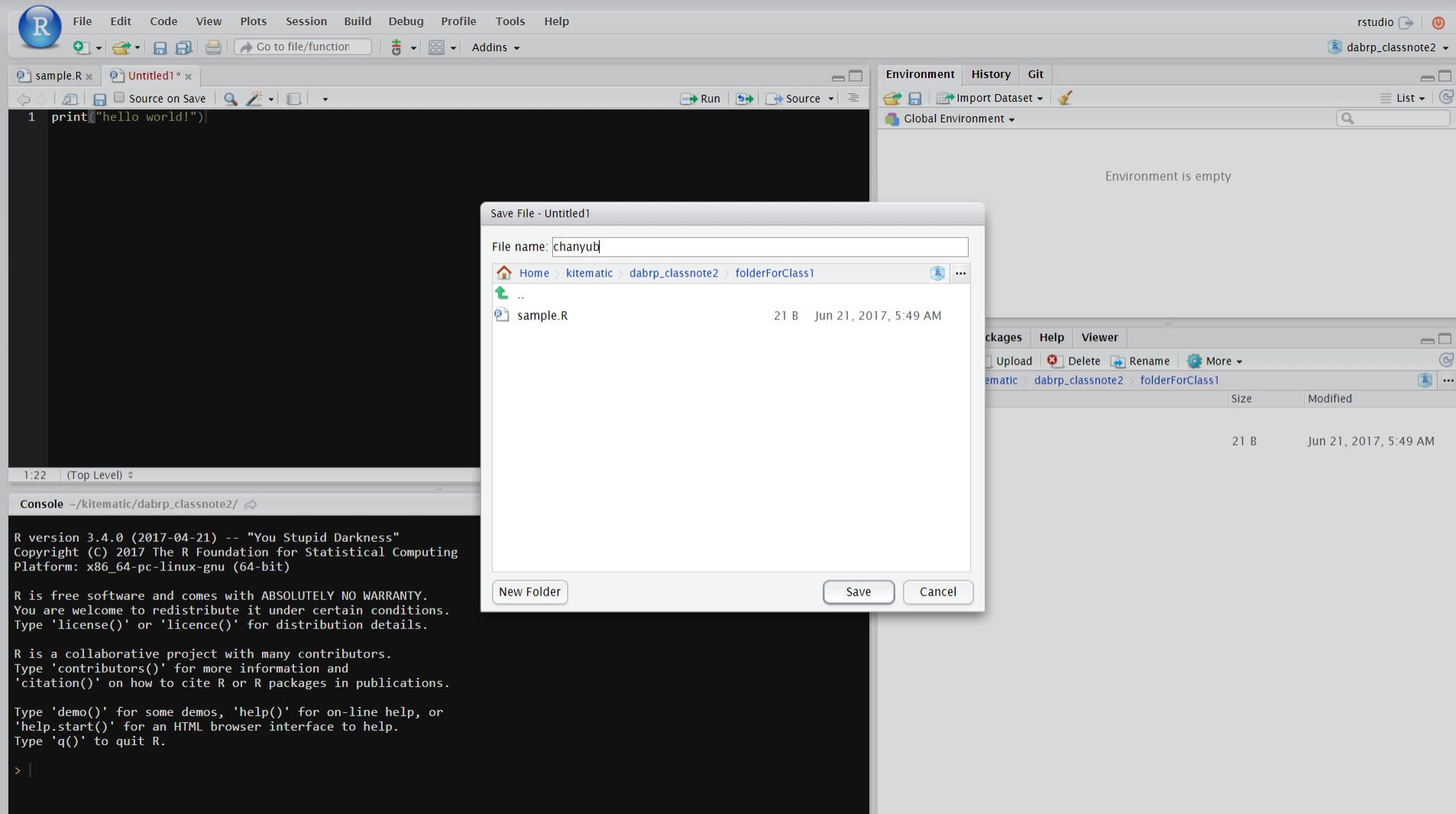
fork하여 코드 수정하기

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fork하여 코드 수정하기

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fork하여 코드 수정하기

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The screenshot shows the RStudio interface with the following components:

- File Bar:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Toolbar:** Go to file/function, Import Dataset, Global Environment.
- Code Editor:** Displays two files: sample.R and chanyub.R. The sample.R file contains the code:

```
1 print("hello world!")
```
- Environment Tab:** Shows "Environment is empty".
- File Browser:** Shows the directory structure: Home > kitematic > dabrp_classnote2 > folderForClass1. Inside this folder are two files: chanyub.R and sample.R, both modified on Jun 21, 2017.
- Console:** Displays the R startup message and the R command prompt (> |).

fork하여 코드 수정하기

카톡@parkets

The screenshot shows the RStudio interface with the following components:

- Top Bar:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- File Explorer:** Shows files sample.R and chanyub.R.
- Code Editor:** Displays the following R code:

```
1 print("hello world!")
```
- Git Panel:** Shows a local repository dabrp_classnote2 with a master branch. The file folderForClass1/chanyub.R is tracked.
- File Browser:** Shows the directory structure: Home > kitematic > dabrp_classnote2 > folderForClass1. It lists two files: chanyub.R and sample.R, both 21 B in size, modified on Jun 21, 2017, at 5:50 AM and 5:49 AM respectively.
- Console:** Displays the R startup message and standard help text.

fork하여 코드 수정하기

카톡@parkets

The screenshot shows the RStudio interface with two main panes. The left pane is a browser window titled "RStudio: Review Changes - Chrome" displaying a diff of an R script. The right pane is the RStudio IDE showing the Git history and file browser.

Browser (Left):

- Title: RStudio: Review Changes - Chrome
- URL: localhost:32769/?view=review_changes
- Toolbar: Changes, History, master, Stage, Revert, Ignore
- Staged Status: Path (highlighted)
- File: folderForClass1/chanyub.R
- Diff View:

```
@@ -0,0 +1,1 @@
1 print("hello world!")
```

No newline at end of file
- Show: Staged (radio button selected)
- Context: 5 line

RStudio IDE (Right):

- Title: rstudio
- Toolbar: History, Git, Commit, Pull, Push, History, More, master
- Git History: Commit message (empty), Amend previous commit, Commit
- File Browser: Path: folderForClass1/chanyub.R
- Packages: Help, Viewer
- File List:

Name	Size	Modified
chanyub.R	21 B	Jun 21, 2017, 5:50 AM
me.R	21 B	Jun 21, 2017, 5:49 AM

fork하여 코드 수정하기

카톡@parkets

The screenshot shows the RStudio interface with two main panes. The left pane is a 'Review Changes' window for the 'master' branch, displaying a single staged file 'chanyub.R'. The code in the editor is:

```
@@ -0,0 +1,1 @@
1 print("hello world!")
```

The status bar at the bottom indicates 'No newline at end of file'. The right pane is a 'Git' interface showing the commit history and a list of files in the 'dabrp_classnote2' repository. The commit message 'Amend previous commit' has been entered in the commit message field.

fork하여 코드 수정하기

카톡@parkets

The screenshot shows two RStudio windows side-by-side.

Left Window (Review Changes - Chrome):

- URL: localhost:32769/?view=review_changes
- Toolbar: Changes, History, master, Stage, Revert, Ignore
- Staged Status: folderForClass1/chanyub.R
- Commit message: 자기 이름 fork 실습
- Buttons: Pull, Push, Commit, Amend previous commit
- Show: Staged (radio button selected), Unstaged, Context, 5 line, Unstage All
- Code view:

```
@@ -0,0 +1,1 @@
1 print("hello world!")
```

No newline at end of file

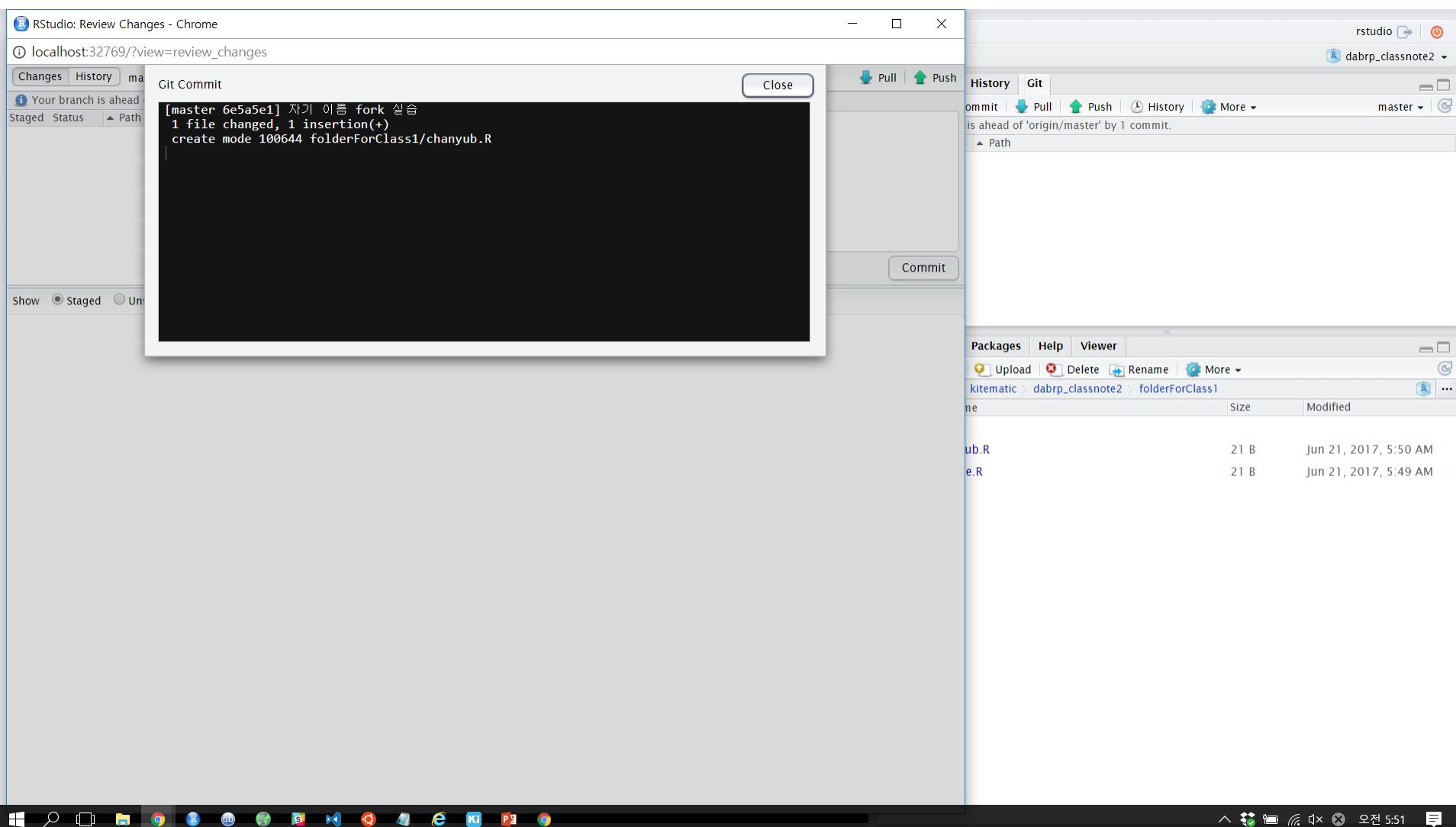
Right Window (GitHub Git History):

- Repository: dabrp_classnote2
- Branch: master
- Commit message: 자기 이름 fork 실습
- Commit date: Jun 21, 2017, 5:49 AM
- File: chanyub.R

The taskbar at the bottom shows various application icons, including a browser, file explorer, and system tray icons.

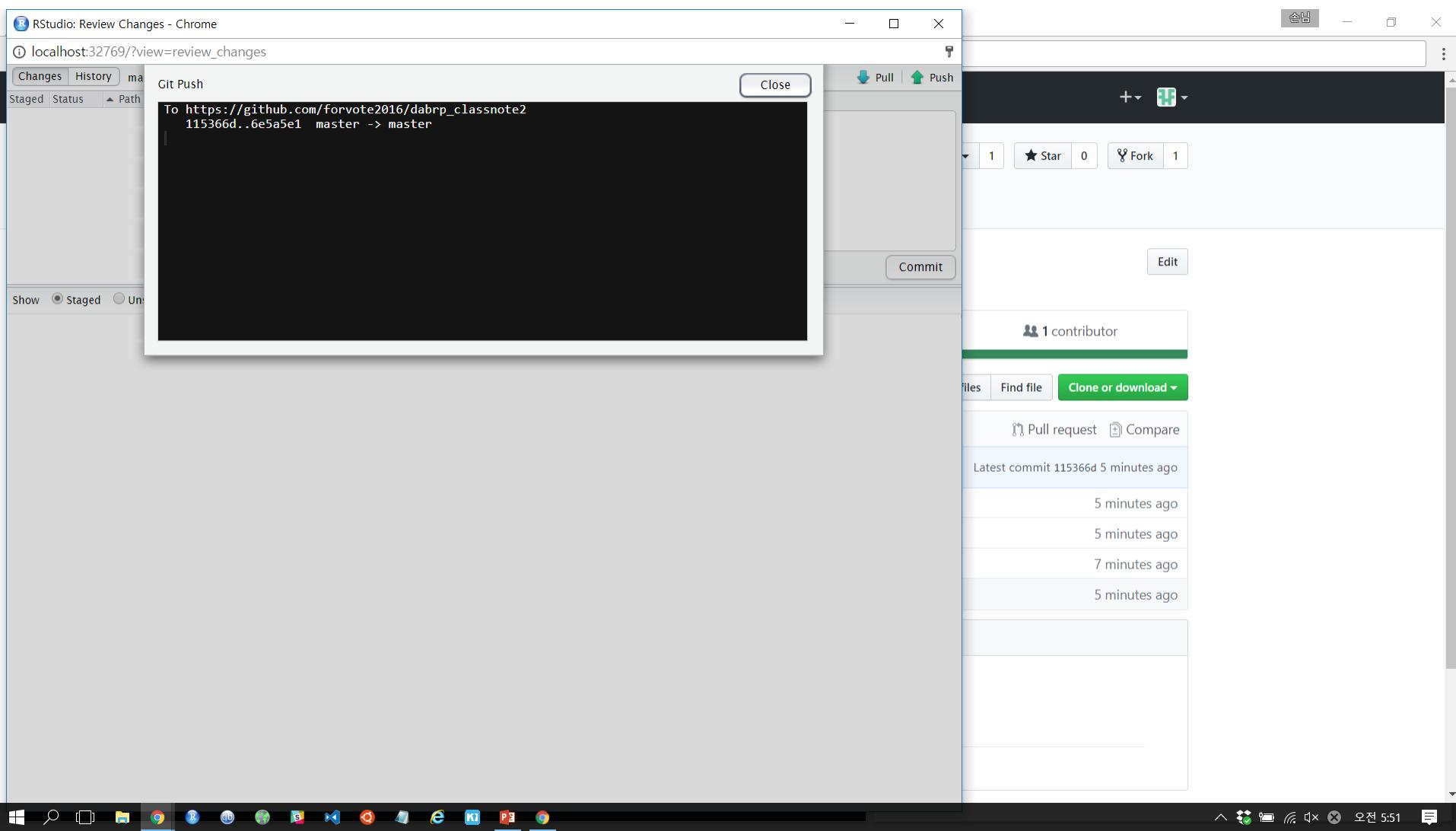
fork하여 코드 수정하기

카톡@parkets



fork하여 코드 수정하기

카톡@parkets



fork하여 코드 수정하기

카톡@parkets

The screenshot shows a GitHub repository page for 'forvote2016 / dabrp_classnote2'. The repository was forked from 'mrchypark/dabrp_classnote2'. The 'Code' tab is selected. The branch is 'master'. The commit history shows:

- mrchypark 자기 이름 fork 실습 (Latest commit 6e5a5e1 37 seconds ago)
- ... (unlisted commit)
- chanyub.R 자기 이름 fork 실습 (37 seconds ago)
- sample.R 샘플 커밋 (6 minutes ago)

At the bottom, there are links for GitHub terms, privacy, security, status, help, contact, API, training, shop, blog, and about.

수정된 코드 적용 요청하기(PR)

카톡@parkets

The screenshot shows a GitHub repository page for 'forvote2016 / dabrp_classnote2'. The repository has 1 pull request, 0 stars, and 1 fork. The 'Pull requests' tab is selected. A search bar at the top contains the filter 'is:pr is:open'. A prominent green button labeled 'New pull request' is visible. The main content area features a welcome message: 'Welcome to Pull Requests! Pull requests help you collaborate on code with other people. As pull requests are created, they'll appear here in a searchable and filterable list. To get started, you should [create a pull request](#).'. At the bottom, there's a pro tip: 'ProTip! Type [g](#) [p](#) on any issue or pull request to go back to the pull request listing page.'

Pull Requests · forvote21 x

GitHub, Inc. [US] | https://github.com/forvote2016/dabrp_classnote2/pulls

This repository Search

Pull requests Issues Marketplace Gist

Unwatch 1 Star 0 Fork 1

forvote2016 / **dabrp_classnote2**
forked from mrchypark/dabrp_classnote2

Code Pull requests 0 Projects 0 Wiki Settings Insights

Filters is:pr is:open Labels Milestones New pull request

Welcome to Pull Requests!

Pull requests help you collaborate on code with other people. As pull requests are created, they'll appear here in a searchable and filterable list. To get started, you should [create a pull request](#).

ProTip! Type [g](#) [p](#) on any issue or pull request to go back to the pull request listing page.

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https://github.com/forvote2016/dabrp_classnote2/pulls

수정된 코드 적용 요청하기(PR)

카톡@parkets

The screenshot shows a GitHub pull request comparison page. At the top, the URL is https://github.com/mrchypark/dabrp_classnote2/compare/master...forvote2016:master. The repository name is mrchypark / dabrp_classnote2. The navigation bar includes links for This repository, Search, Pull requests, Issues, Marketplace, and Gist. On the right, there are Watch (1), Star (0), Fork (1) buttons, and a pull request icon.

The main section is titled "Comparing changes". It displays the following details:

- base fork: mrchypark/dabrp_classnote2
- base: master
- head fork: forvote2016/dabrp_classnote2
- compare: master

A green checkmark indicates "Able to merge. These branches can be automatically merged."

Below this, there is a "Create pull request" button and a note: "Discuss and review the changes in this comparison with others." There are also summary statistics: 1 commit, 1 file changed, 0 commit comments, and 1 contributor.

The commit log shows:

- Commits on Jun 21, 2017
- mrchypark: 자기 이름 fork 실험 (commit hash: 6e5a5e1)

Details of the single commit:

- Showing 1 changed file with 1 addition and 0 deletions.
- Unified or Split view (Unified is selected).
- File: folderForClass1/chanyub.R
- Diff content:

```
... ... @@ -0,0 +1 @@ +print("hello world!")
```

The taskbar at the bottom shows various application icons, and the system tray indicates network, battery, and system status.

수정된 코드 적용 요청하기(PR)

카톡@parkets

The screenshot shows a GitHub pull request creation interface. At the top, there's a navigation bar with links for 'Pull requests', 'Issues', 'Marketplace', and 'Gist'. Below the navigation bar, the repository name 'mrchypark / dabrp_classnote2' is displayed, along with metrics for 'Watch' (1), 'Star' (0), and 'Fork' (1). The main section is titled 'Open a pull request' and includes a sub-instruction: 'Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks.' Below this, there are dropdown menus for 'base fork' (set to 'mrchypark/dabrp_classnote2'), 'base' (set to 'master'), 'head fork' (set to 'forvote2016/dabrp_classnote2'), and 'compare' (set to 'master'). A green checkmark indicates that the branches are 'Able to merge'. A text input field contains the message '하고 싶은 말' (What I want to say). There are 'Write' and 'Preview' tabs, and a rich text editor toolbar with various icons. A note at the bottom of the text area says 'Attach files by dragging & dropping, selecting them, or pasting from the clipboard.' At the bottom right, there's a large green 'Create pull request' button. The bottom of the screen shows the Windows taskbar with various pinned icons.

수정된 코드 적용 요청하기(PR)

카톡@parkets

The screenshot shows a GitHub pull request page for the repository `mrchypark / dabrp_classnote2`. The pull request is titled "자기 이름 fork 실습 #1". The status bar indicates "forvote2016 wants to merge 1 commit into `mrchypark:master` from `forvote2016:master`". The pull request has 1 commit, 1 file changed, and 0 comments. A comment from user "forvote2016" says "하고 싶은 말". The commit hash is 6e5a5e1. A note says "Add more commits by pushing to the `master` branch on `forvote2016/dabrp_classnote2`". A green box highlights "This branch has no conflicts with the base branch". The GitHub interface includes tabs for Code, Issues, Pull requests, Projects, Wiki, and Insights. The right sidebar shows metrics for Reviewers, Assignees, Labels, Projects, Milestone, and Notifications.

수정된 코드 적용 요청하기(PR)

카톡@parkets

The screenshot shows the GitHub interface for the repository `mrchypark / dabrp_classnote2`. The top navigation bar includes links for `This repository`, `Search`, `Pull requests`, `Issues`, `Marketplace`, and `Gist`. The user profile icon indicates 1 unwatched repository, 0 stars, and 1 fork. The main content area displays the `Pull requests` tab, which is currently selected (indicated by an orange bar). A search bar shows the query `is:pr is:open`. Below the search bar are filters for `Labels` and `Milestones`, and a green button for `New pull request`. The list of pull requests shows one open pull request titled `자기 이름 fork 실습`, which was opened 22 seconds ago by `forvote2016`. A ProTip message at the bottom suggests using `no:label` to show everything without a label.

Unwatch 1 Star 0 Fork 1

Code Issues 0 Pull requests 1 Projects 0 Wiki Settings Insights

Filters is:pr is:open Labels Milestones New pull request

1 Open ✓ 0 Closed Author Labels Projects Milestones Reviews Assignee Sort

자기 이름 fork 실습 #1 opened 22 seconds ago by forvote2016

ProTip! Adding no:label will show everything without a label.

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수정된 코드 적용 요청하기(PR)

카톡@parkets

The screenshot shows a GitHub repository page for `mrchypark / dabrp_classnote2`. The 'Pull requests' tab is selected, showing one open pull request. The pull request details are as follows:

- Author:** forvote2016
- Destination Branch:** mrchypark:master
- Source Branch:** forvote2016:master
- Commit Count:** 1
- File Changes:** 1
- Message:** 하고 싶은 말
- SHA:** 6e5a5e1

The right sidebar contains various configuration options for the pull request:

- Reviewers:** No reviews—request one
- Assignees:** No one—assign yourself
- Labels:** None yet
- Projects:** None yet
- Milestone:** No milestone
- Notifications:** You're receiving notifications because you're subscribed to this repository. (Unsubscribe button available)

At the bottom of the pull request view, there is a green button labeled "Merge pull request".

과제

github

1) 프로젝트를 만들어 보세요

- ① 새 프로젝트 만들기로 project_1 폴더를 만들어 보세요
- ② 탐색기에서 project_2를 만든 후 Rstudio로 프로젝트로 만들어 보세요
- ③ github에 project_3을 만든 후 Rstudio로 프로젝트로 만들어 보세요

2) 변경점을 저장(commit)해 보세요

- ① project_11 폴더에 project_11.Rproj 파일로 프로젝트를 열어보세요
- ② Rscript 파일을 만들고 commit을 진행해 보세요
- ③ project_2, project_3도 ①~②를 진행해 주세요.

과제

github

3) revert로 코드 되돌리기

- ① ②까지 진행하시고 한번 더 수정하세요(commit하지 마세요)
- ② revert로 가장 최근 만든 변경점으로 돌아가세요

4) 원격 저장소에 적용(push)해 보세요

- ① project_3을 push해서 자신의 github아이디/project_3을 변경하세요

과제

team

1) 코드 가져와서 사용하기

- ① 2인 이상 팀을 구성해주세요
- ② 관리자 역할을 한 명 정해주세요
- ③ 관리자가 github에 project_ex_[팀명]를 만들어 주세요
- ④ 다른 분들이 관리자의 project_ex_[팀명]로 프로젝트를 만들어 주세요
- ⑤ 변경점을 만들고 push를 시도하고 스크린샷을 찍어주세요
- ⑥ 관리자가 project_ex_[팀명]를 수정해주세요
- ⑦ pull로 코드를 최신으로 적용해보세요

과제

team

2) 코드를 수정해서 적용하기

- ① team 1) ③까지 같습니다 (이름: project_pr_[팀명])
- ② 다른 분들이 관리자의 project_pr_[팀명]를 fork하세요
- ③ project_pr_[팀명]로 프로젝트를 만들고 변경점을 만드세요
- ④ 변경점을 push하고 관리자에게 pull request 요청을 생성하세요
- ⑤ 관리자는 요청을 merge 해주세요

GIT 더 보기

04

Shell에서 사용하는 git

1) checkout

① branch

2) merge

① fetch + merge = pull

3) remote

* https://backlogtool.com/git-guide/kr/intro/intro1_1.html

과제

extra

1) checkout으로 코드 되돌리기

- ① 새로운 프로젝트를 만드세요
- ② 변경점을 cm1, cm2, cm3의 3개를 만드세요
- ③ checkout으로 cm2를 ret branch로 만드세요
- ④ merge로 maste에 ret을 합쳐 돌아가세요

2) 여러 remote 적용하기(team)

- ① team 2) ③ 까지 같습니다. (이름: project_rm_[팀명])
- ② 관리자는 자신의 project_rm_[팀명]로 프로젝트를 만드세요
- ③ 관리자가 만든 프로젝트에 변경점을 만들고 push하세요
- ④ 다른 분들이 관리자가 만든 변경점을 각자의 프로젝트에 적용하세요(remote)
- ⑤ 새롭게 변경점을 만들어 push한 후 PR을 해서 network를 확인하세요

감사합니다.