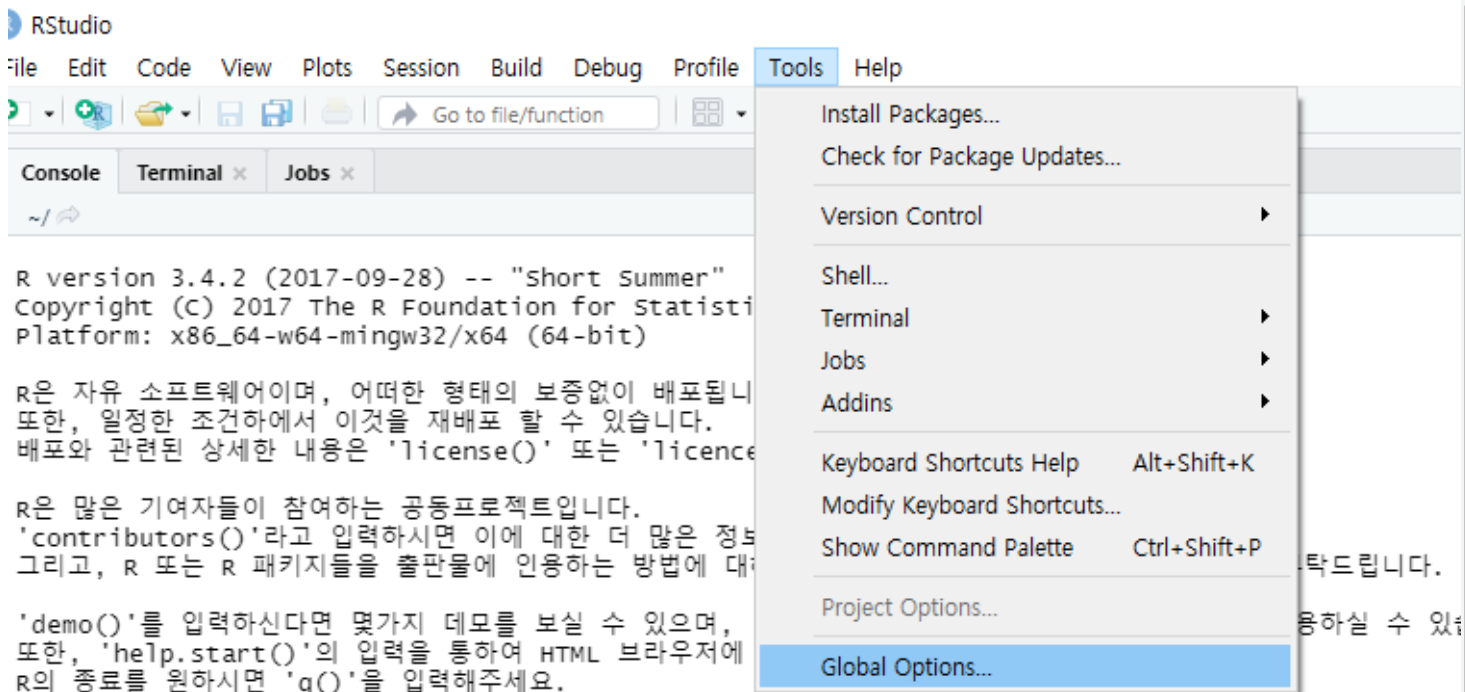


기본설정



> |

프로젝트 생성

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

New File

New Project...

Open File... Ctrl+O

Open File in New Column...

Recent Files

Open Project...

Open Project in New Session...

Recent Projects

Import Dataset

Save Ctrl+S

Save As...

Save All Ctrl+Alt+S

Publish...

Print...

Close Ctrl+W

Close All Ctrl+Shift+W

Close All Except Current Ctrl+Alt+Shift+W

Close Project

Quit Session... Ctrl+Q

New Project Wizard

Back

Create New Project



Directory name:

Create project as subdirectory of:

C:/swo/r_project

Workplace 확인하기

Browse...

☐ Create a git repository

☐ Use renv with this project

☐ Open in new session

Create Project

Cancel

라이브러리 설치

Install Packages

Install from: Configuring Repositories

Repository (CRAN)

Packages (separate multiple with space or comma):

ggplot2

ggplot2movies [Default]

☒ Install dependencies

Install Cancel

Files Plots Packages Help Viewer

Install Update

Name	Description	Version
System Library		
<input checked="" type="checkbox"/> base	The R Base Package	3.6.0
<input type="checkbox"/> boot	Bootstrap Functions (Originally by Angelo Canty for S)	1.3-22
<input type="checkbox"/> class	Functions for Classification	7.3-15
<input type="checkbox"/> cluster	"Finding Groups in Data": Cluster Analysis Extended Rousseeuw et al.	2.0.8
<input type="checkbox"/> codetools	Code Analysis Tools for R	0.2-16
<input type="checkbox"/> compiler	The R Compiler Package	3.6.0
<input checked="" type="checkbox"/> datasets	The R Datasets Package	3.6.0
<input type="checkbox"/> foreign	Read Data Stored by 'Minitab', 'S', 'SAS', 'SPSS', 'Stata', 'Systat', 'Weka', 'dBase', ...	0.8-71
<input checked="" type="checkbox"/> graphics	The R Graphics Package	3.6.0
<input checked="" type="checkbox"/> grDevices	The R Graphics Devices and Support for Colours and Fonts	3.6.0
<input type="checkbox"/> grid	The Grid Graphics Package	3.6.0
<input type="checkbox"/> KernSmooth	Functions for Kernel Smoothing Supporting Wand & Jones (1995)	2.23-15
<input type="checkbox"/> lattice	Trellis Graphics for R	0.20-38
<input type="checkbox"/> MASS	Support Functions and Datasets for Venables and Ripley's MASS	7.3-51.4
<input type="checkbox"/> Matrix	Sparse and Dense Matrix Classes and Methods	1.2-17
<input checked="" type="checkbox"/> methods	Formal Methods and Classes	3.6.0
<input type="checkbox"/> mgcv	Mixed GAM Computation Vehicle with Automatic Smoothness Estimation	1.8-28
<input type="checkbox"/> nlme	Linear and Nonlinear Mixed Effects Models	3.1-139
<input type="checkbox"/> nnet	Feed-Forward Neural Networks and Multinomial Log-Linear Models	7.3-12
<input type="checkbox"/> parallel	Support for Parallel computation in R	3.6.0
<input type="checkbox"/> rpart	Recursive Partitioning and Regression Trees	4.1-15
<input type="checkbox"/> spatial	Functions for Kriging and Point Pattern Analysis	7.3-11
<input type="checkbox"/> splines	Regression Spline Functions and Classes	3.6.0
<input checked="" type="checkbox"/> stats	The R Stats Package	3.6.0

이길 부탁드립니다.

을 이용하실 수 있습니다.

```
install.packages("ggplot2")
install.packages("corrplot")
install.packages("lattice")
#console clear : ctrl + L
#Case sensitivity
```

```
library(corrplot) #ctrl+shift+1: Rscript 100m+=
library(lattice)
```

```
a = mtcars #여러 차에 대한 정보들이 담긴 데이터
a
```

```
#항목 확인 $, 상관관계 확인하기
mtcorrs = cor(mtcars$gear , mtcars$carb)
mtcorrs
```

```
#gear~carb에 대한 , dstat : 사용할 데이터프레임
xyplot(gear~carb, data = mtcars)
lm = plot(mtcars$gear , mtcars$carb) #회귀선 생성
abline(lm(mtcars$gear~mtcars$carb)) #lm : 회귀선
```

```
#전체 데이터에 대한 상관관계 확인
mtcorrs2 = cor(mtcars)
mtcorrs2
round(mtcorrs2, 2)
corrplot(mtcorrs2) #heatmap
plot(mtcars) #pairplot
```

```
#문제와 마일간의 관계 : 상관계수, 그래프로 그려보기
corr1 = cor(mtcars$wt, mtcars$mpg)
corr1 #-0.8676594
xyplot(wt~mpg, data = mtcars)
lm = plot(mtcars$wt, mtcars$mpg)
abline(lm(mtcars$wt~mtcars$mpg))
```

```
#전체 항목 중에서 양의 상관계수가 제일 높은 것은? 배기량 / 실린더
#전체 항목 중에서 음의 상관계수가 제일 높은 것은? 무게 / 마일
```

