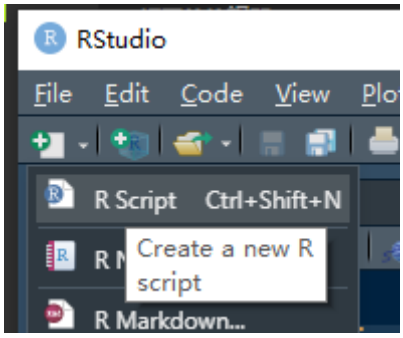
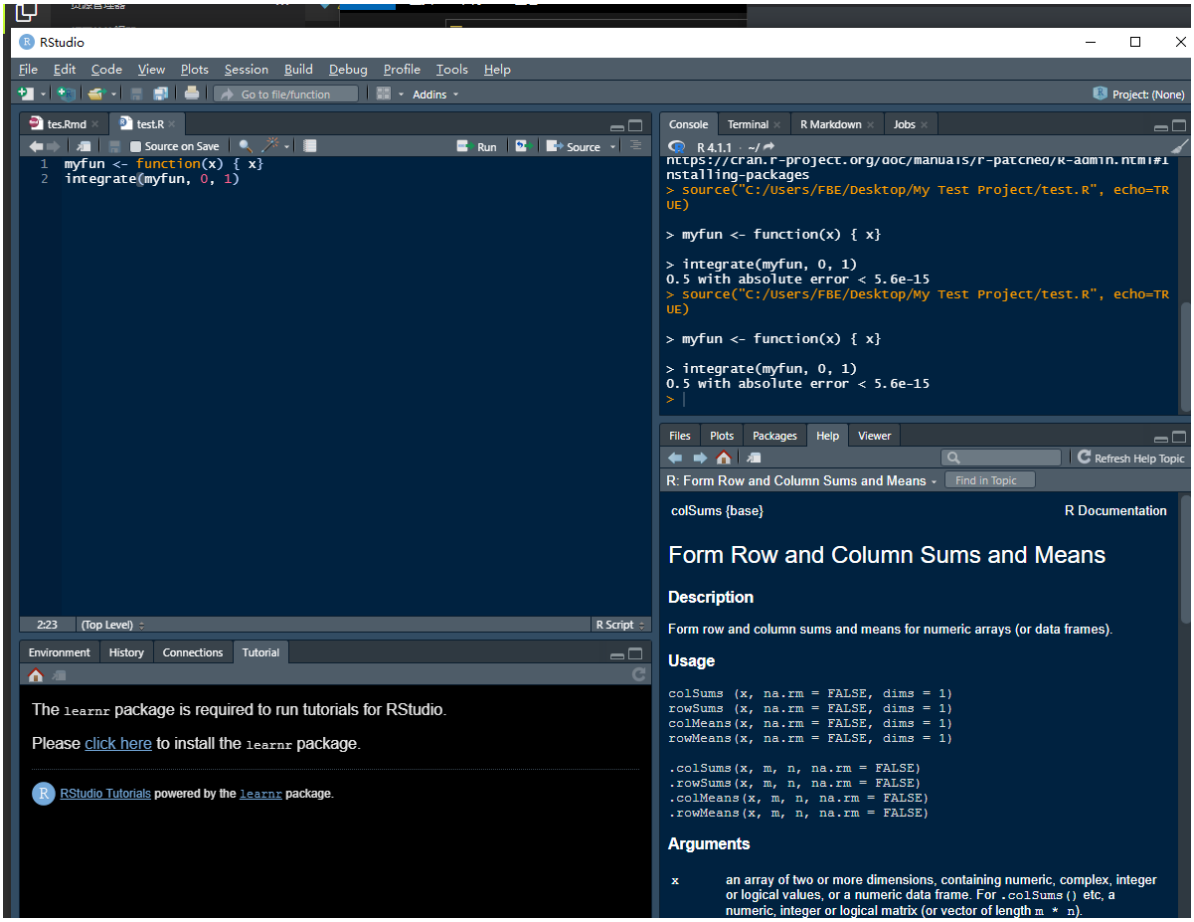
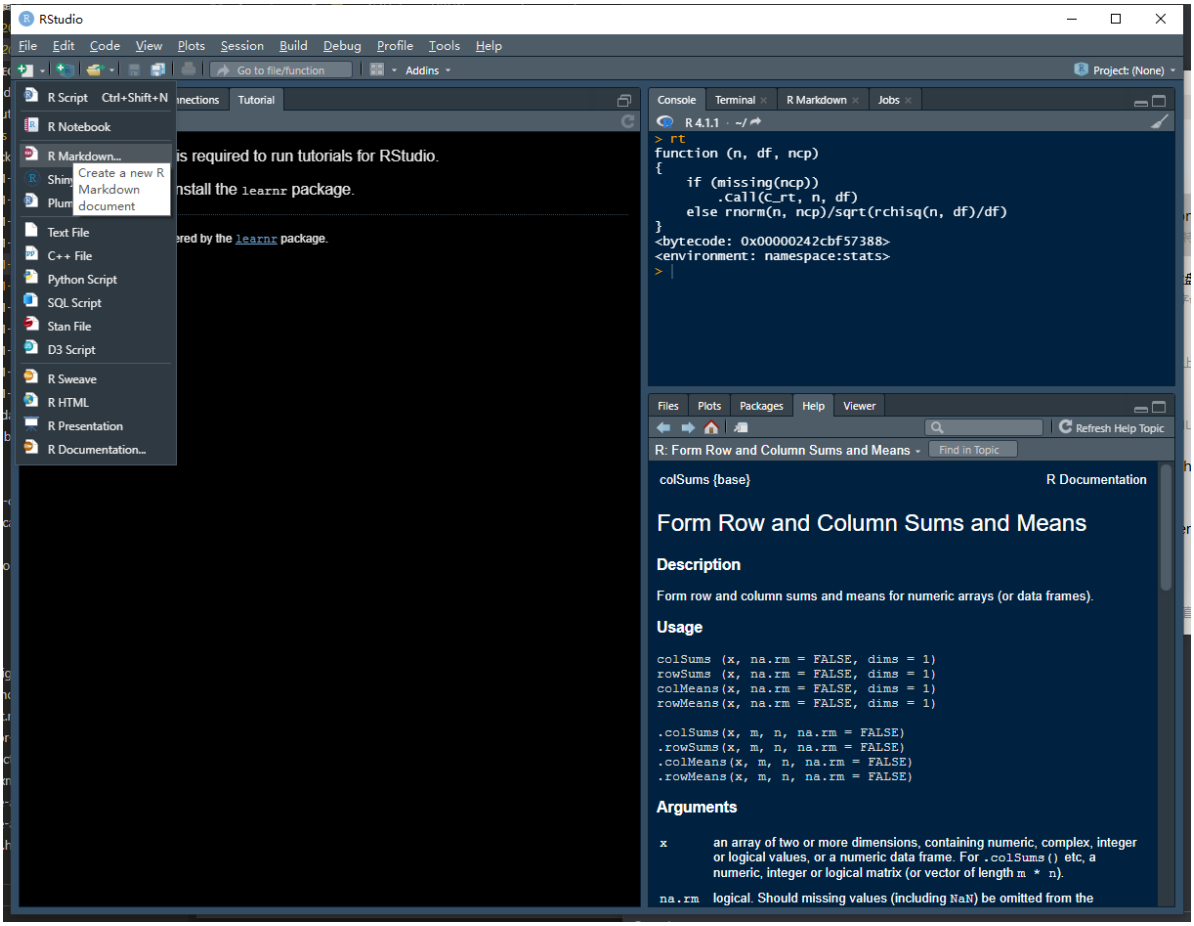
R and Rstudio

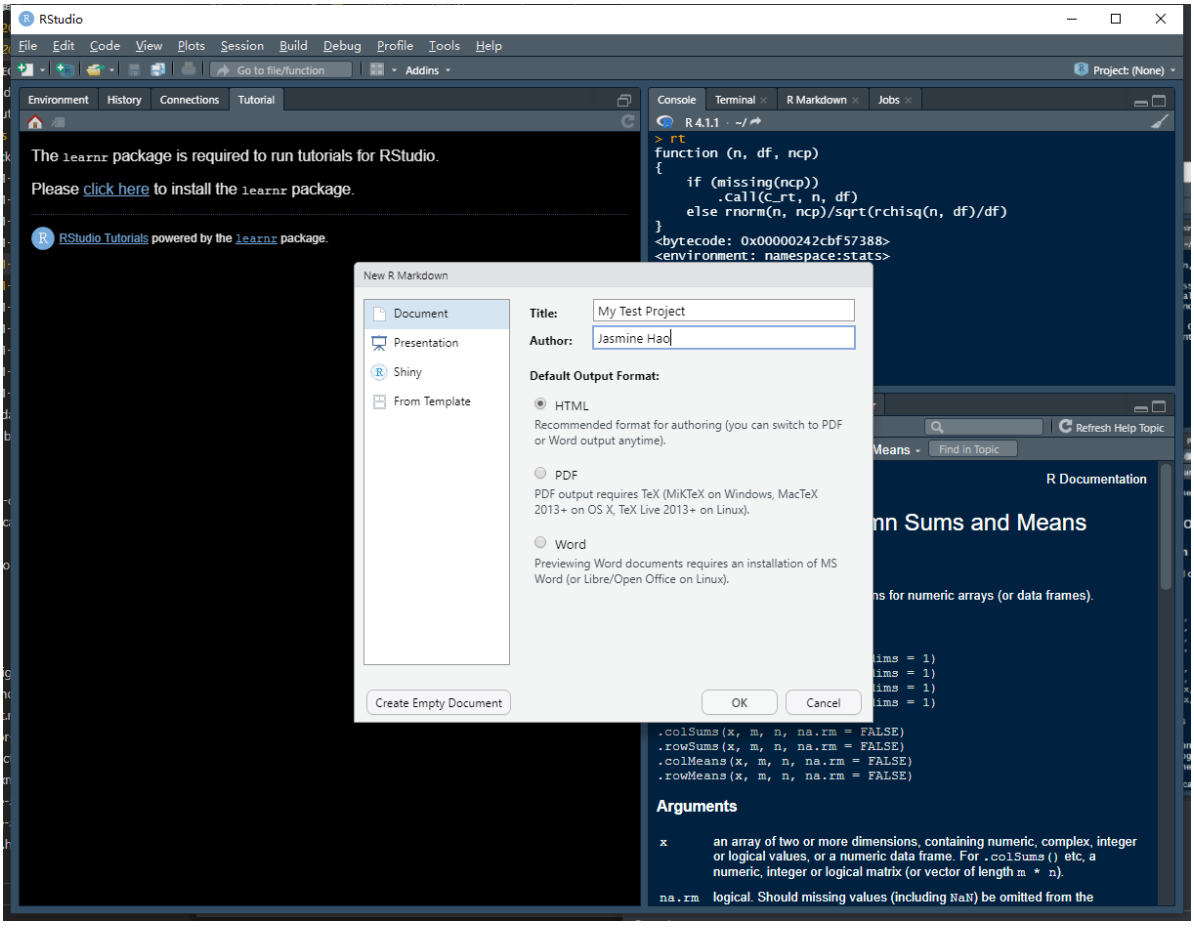
R script





Start with R notebook/ R markdown


RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function
Addins
Project: (None)
R Script Ctrl+Shift+N
R Notebook
R Markdown...
Create a new R Markdown document
Text File
C++ File
Python Script
SQL Script
Stan File
D3 Script
R Sweave
R HTML
R Presentation
R Documentation...
Tutorial
is required to run tutorials for RStudio.
nstall the learnr package.
ered by the learnr package.
Console
Terminal
R Markdown
Jobs
R 4.1.1 · ~/
> rt
function (n, df, ncp)
{
if (missing(ncp))
.Call(C_rt, n, df)
else rnorm(n, ncp)/sqrt(rchisq(n, df)/df)
}
<bytecode: 0x00000242cbf57388>
<environment: namespace:stats>
Files
Plots
Packages
Help
Viewer
Refresh Help Topic
R: Form Row and Column Sums and Means
Find in Topic
colSums {base}
R Documentation
Form Row and Column Sums and Means
Description
Form row and column sums and means for numeric arrays (or data frames).
Usage
colSums (x, na.rm = FALSE, dims = 1)
rowSums (x, na.rm = FALSE, dims = 1)
colMeans(x, na.rm = FALSE, dims = 1)
rowMeans(x, na.rm = FALSE, dims = 1)
.colSums(x, m, n, na.rm = FALSE)
.rowSums(x, m, n, na.rm = FALSE)
.colMeans(x, m, n, na.rm = FALSE)
.rowMeans(x, m, n, na.rm = FALSE)
Arguments
x
an array of two or more dimensions, containing numeric, complex, integer or logical values, or a numeric data frame. For .colSums() etc, a numeric, integer or logical matrix (or vector of length m * n).
na.rm
logical. Should missing values (including NaN) be omitted from the


RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function
Addins
Project: (None)
Environment
History
Connections
Tutorial
The learnr package is required to run tutorials for RStudio.
Please click here to install the learnr package.
RStudio Tutorials powered by the learnr package.
Console
Terminal
R Markdown
Jobs
R 4.1.1 · ~/
> rt
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else rnorm(n, ncp)/sqrt(rchisq(n, df)/df)
}
<bytecode: 0x00000242cbf57388>
<environment: namespace:stats>
New R Markdown
Document
Presentation
Shiny
From Template
Title:
My Test Project
Author:
Jasmine Hao
Default Output Format:
HTML
Recommended format for authoring (you can switch to PDF or Word output anytime).
PDF
PDF output requires TeX (MiKTeX on Windows, MacTeX 2013+ on OS X, TeX Live 2013+ on Linux).
Word
Previewing Word documents requires an installation of MS Word (or Libre/Open Office on Linux).
Create Empty Document
OK
Cancel
Refresh Help Topic
Means
Find in Topic
R Documentation
nn Sums and Means
ns for numeric arrays (or data frames).
.colSums(x, m, n, na.rm = FALSE)
.rowSums(x, m, n, na.rm = FALSE)
.colMeans(x, m, n, na.rm = FALSE)
.rowMeans(x, m, n, na.rm = FALSE)
Arguments
x
an array of two or more dimensions, containing numeric, complex, integer or logical values, or a numeric data frame. For .colSums() etc, a numeric, integer or logical matrix (or vector of length m * n).
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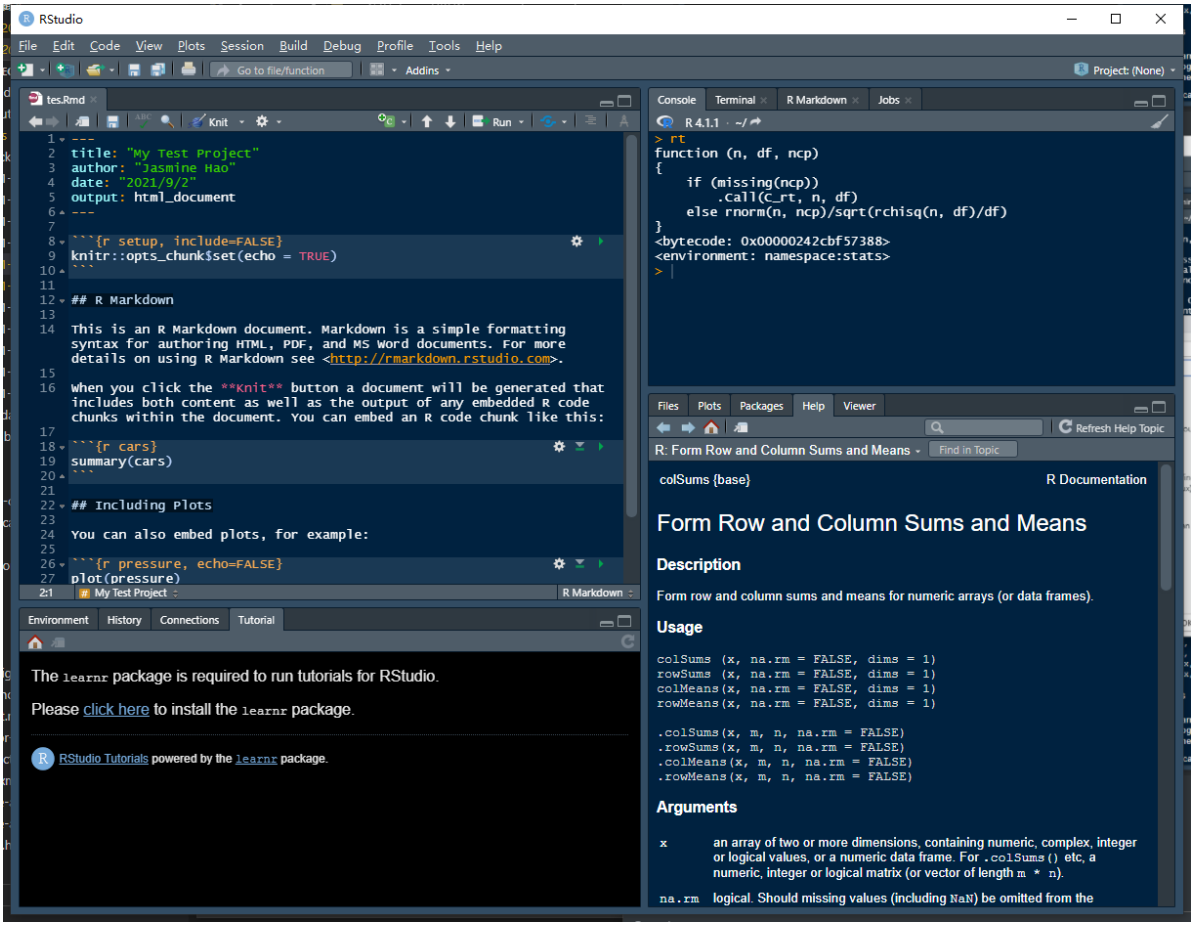
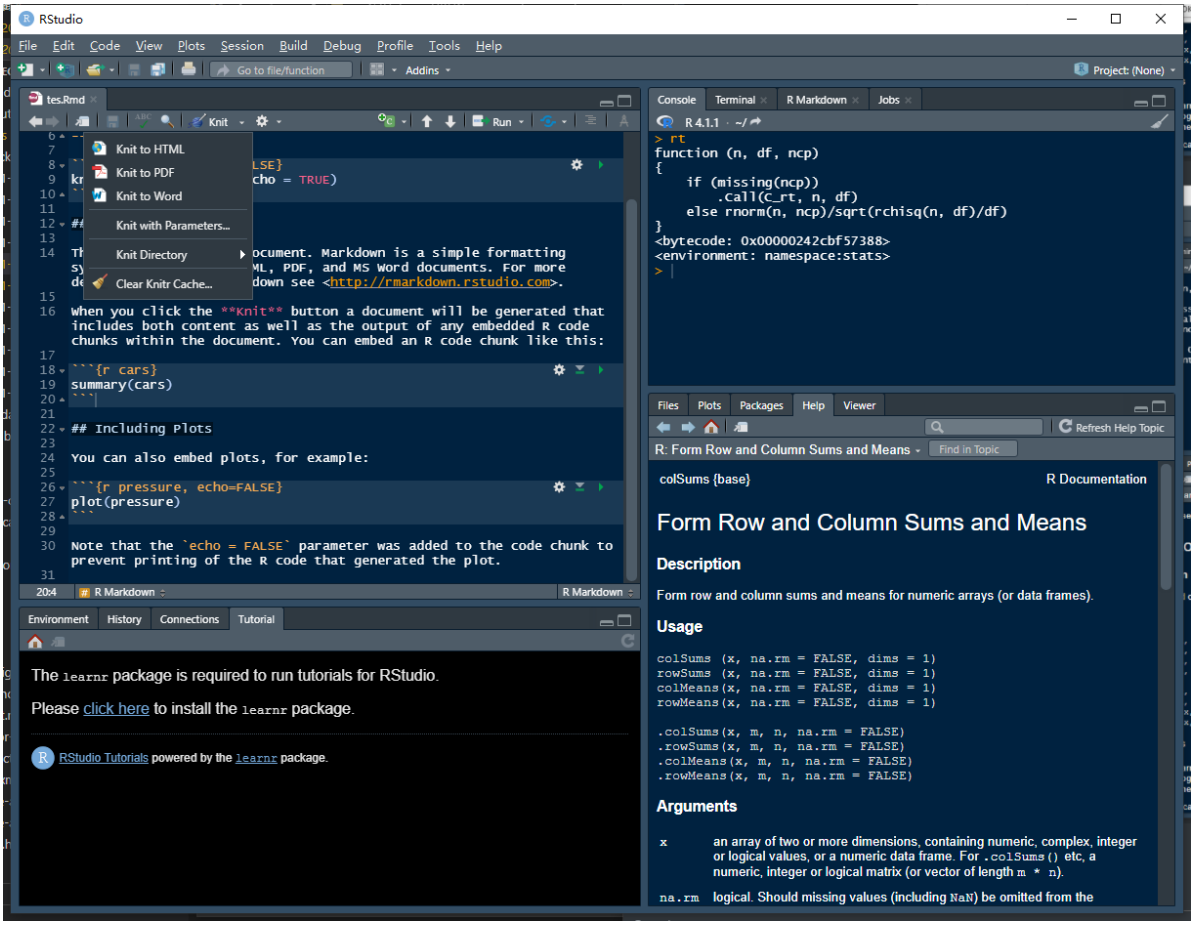
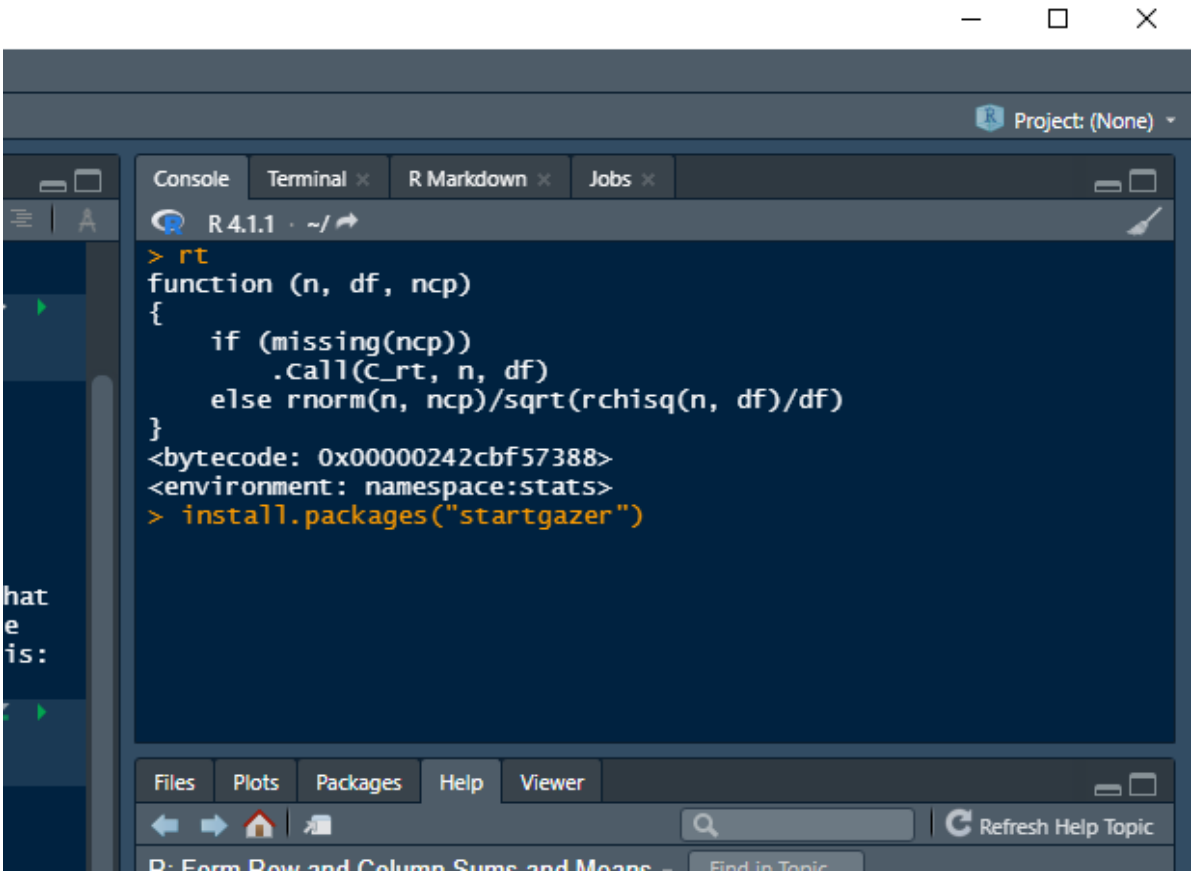
logical. Should missing values (including NaN) be omitted from the





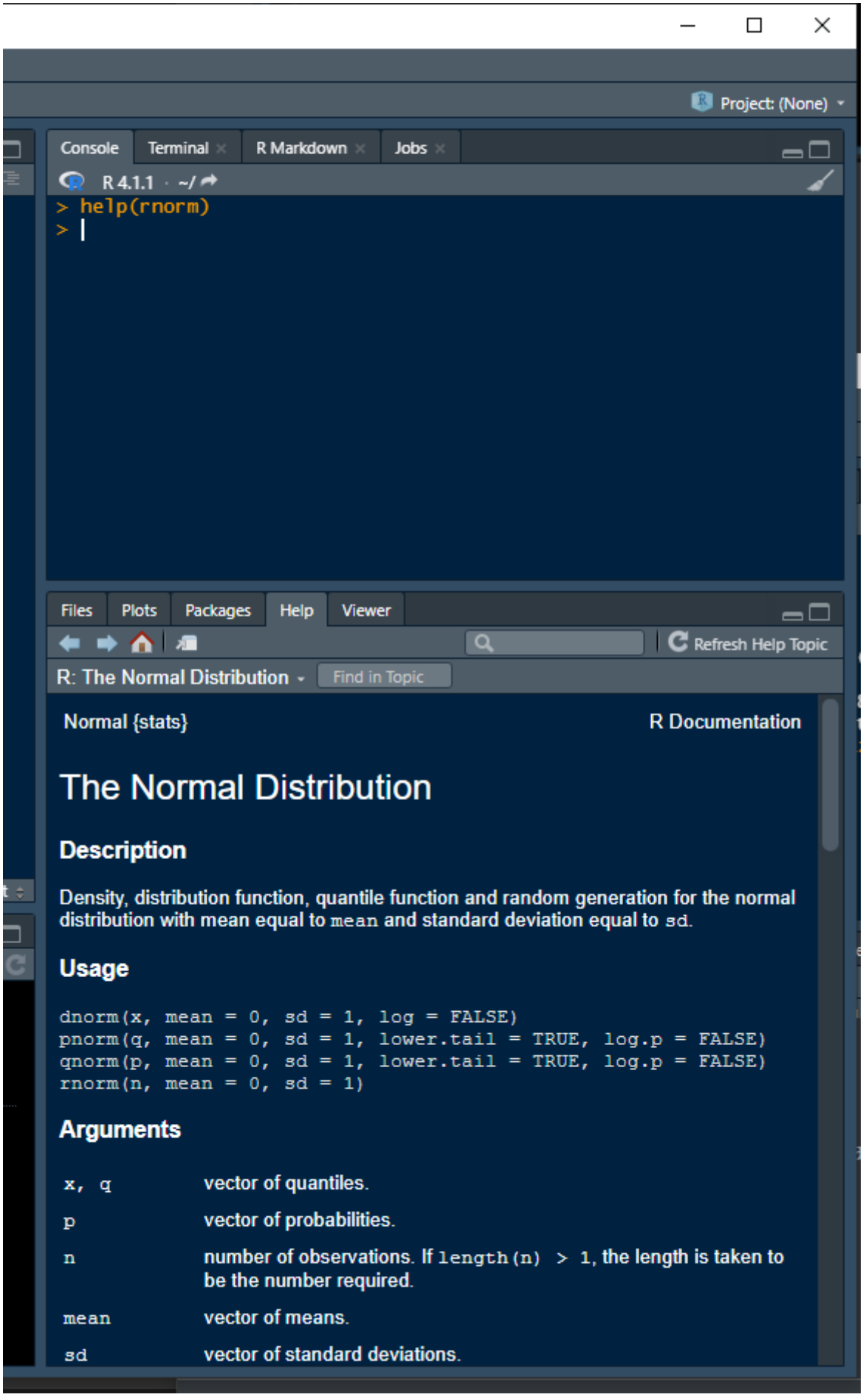
Install Packages

Type `install.packages("stargazer")`, then press Enter.



Help Functions

If you don't understand how to use certain function, for example, `help(rnorm)`.


Project: (None)
Console
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R 4.1.1 · ~/
> help(rnorm)
>
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R: The Normal Distribution
Find in Topic
Normal {stats}
R Documentation
The Normal Distribution
Description
Density, distribution function, quantile function and random generation for the normal distribution with mean equal to mean and standard deviation equal to sd.
Usage
dnorm(x, mean = 0, sd = 1, log = FALSE)
pnorm(q, mean = 0, sd = 1, lower.tail = TRUE, log.p = FALSE)
qnorm(p, mean = 0, sd = 1, lower.tail = TRUE, log.p = FALSE)
rnorm(n, mean = 0, sd = 1)
Arguments
x, q
vector of quantiles.
p
vector of probabilities.
n
number of observations. If length(n) > 1, the length is taken to be the number required.
mean
vector of means.
sd
vector of standard deviations.