

# How to install – rJava

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We can install the “rJava” package by using RStudio Desktop.

```
>install.packages("rJava")  
>library("rJava")  
>
```

If you got errors like:

*Error : loadNamespace()里算'rJava'时.onLoad失败了, 详细内容:  
调用: fun(libname, pkgname)  
错误: JAVA\_HOME cannot be determined from the Registry!*

That means your java environment is not available.

(1) For windows:

Step 1: go to the official website and download the program of corresponding version.

<https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

Step 2: install the jdk. You will get two destination folders like: “C:\java\jdk.1.8.0\_112” “C:\java\jre.1.8.0\_112”

Step 3: set the JAVA\_HOME: go to “system variable”-> create “JAVA\_HOME” variable. variable values fill in the JDK installation directory (C:\java\jdk.1.8.0\_112)

Step 4: go to “System Variables” -> “Path”. Edit and enter “%JAVA\_HOME%\bin;%JAVA\_HOME%\jre\bin;” at the end of the variable value. (Note that in the original Path variable value is there “;” at the end; if not, enter “;” and then enter the above code)

Step 5: go to “System Variable”; create “CLASSPATH” variable and fill in “.;%JAVA\_HOME%\lib;%JAVA\_HOME%\lib\tools.jar” (note the “.” at the beginning)

Step 6: restart the computer; done.

You can also refer: <https://jingyan.baidu.com/article/6dad5075d1dc40a123e36ea3.html>

(2) For Linux (Ubuntu as example):

Step 1: Download the corresponding JDK files according to your own version of the system. My Ubuntu is 32 bits and I downloaded `jdk-8u121-linux-x64.tar.gz`

Step 2: Create a directory as JDK installation directory. My directory is `"/java"`. Java is a system program, so just create a `"/java"` folder in the root directory.

```
# sudo mkdir /java
```

Step 3: Move the downloaded file into the directory.

```
# sudo mv jdk-8u121-linux-x64.tar.gz /java
```

Enter the directory and unzip the file.

```
# tar -zxvf jdk-8u121-linux-x64.tar.gz
```

Step 4: Configure environment variables for all users.

```
# sudo gedit /etc/profile
```

Add the following information at the end of the lines:

```
#set Java environment
```

```
export JAVA_HOME=/java/jdk1.8.0_56
```

```
export JRE_HOME=$JAVA_HOME/jre
```

```
export CLASSPATH=.:$JAVA_HOME/lib:$JRE_HOME/lib:$CLASSPATH
```

```
export PATH=$JAVA_HOME/bin:$JRE_HOME/bin:$PATH
```

Step 5: Save the profile and restart the system. Type:

```
# java -version
```

You will see the version information.

You can also refer: <https://jingyan.baidu.com/article/25648fc1797a649191fd00ca.html>