

---

# Data Visualization with R

---

# What is R?

Big data Analysis Tool : R

# Where to get R?

<http://www.r-project.org/>

## 1) CRAN



*About R*  
[What is R?](#)  
[Contributors](#)  
[Screenshots](#)  
[What's new?](#)

*Download, Packages*  
[CRAN](#)

## 2) 국가선택

Korea

<http://cran.nexr.com/>  
<http://healthstat.snu.ac.kr/CRAN/>  
<http://cran.biodisk.org/>

## 3) 운영체제 선택

### Download and Install R

Precompiled binary distributions of these versions of R:

- [Download R for Linux](#)
- [Download R for \(Mac\) OS X](#)
- [Download R for Windows](#)

## 4) 모드 선택

Subdirectories:

[base](#)  
[contrib](#)  
[Rtools](#)

Please do not submit  
to Windows binaries.

## 5) 다운로드

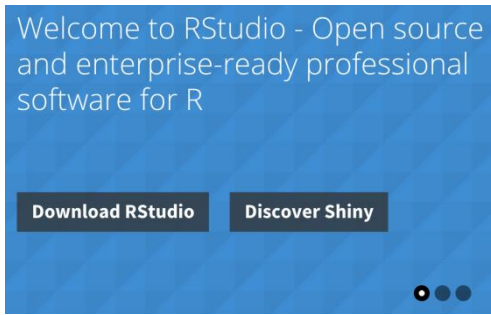
[Download R 3.1.2 for Windows](#) (54 megabytes, 32/64 bit)  
[Installation and other instructions](#)  
[New features in this version](#)

# Where to get R?

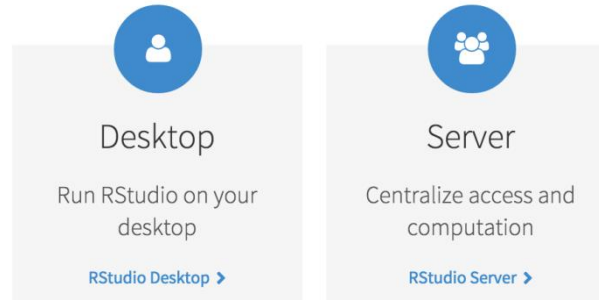


<http://www.rstudio.com/>

## 1) Download Main



## 2) 설치 위치 선택



## 3) 상품 선택

<b>Support</b>	Community forums only
<b>License</b>	AGPL v3
<b>Pricing</b>	Free

[DOWNLOAD RSTUDIO DESKTOP](#)

## 4) 다운로드

### Installers for ALL Platforms

Installers	Size	Date	MD5
<a href="#">RStudio 0.98.1102 - Windows XP/Vista/7/8</a>	47.4 MB	2015-02-07	553b53f8b467ba31f21c672686662152
<a href="#">RStudio 0.98.1102 - Mac OS X 10.6+ (64-bit)</a>	43.7 MB	2015-02-07	045e903ad09e9c8dbf65cf08ff16023d
<a href="#">RStudio 0.98.1102 - Debian 6+/Ubuntu 10.04+ (32-bit)</a>	49.5 MB	2015-02-07	90ba83bf5a791ca3bcc12e1faf37d5ae
<a href="#">RStudio 0.98.1102 - Debian 6+/Ubuntu 10.04+ (64-bit)</a>	51.4 MB	2015-02-07	f4d479f62352c5a709d330f67ef310dc
<a href="#">RStudio 0.98.1102 - Fedora 13+/RedHat 7+/openSUSE 11.4+ (32-bit)</a>	49.9 MB	2015-02-07	91b64c1bbedfde387b523aa0cc0036df
<a href="#">RStudio 0.98.1102 - Fedora 13+/RedHat 7+/openSUSE 11.4+ (64-bit)</a>	51.5 MB	2015-02-07	dac3eb2127d82fa0ef35e8c4773c1f6a

# What is R?

---

R is a free software programming language and software environment for statistical computing and graphics

## ● 개발(Development)

- 뉴질랜드 오클랜드 대학 로스 이하카, 로버트 젠틀만이 최초 개발
- R-Core Team 1997

## ● 환경(environment)

- 대화식 프로그램 수행
- 대용량 데이터 관리 및 처리
- 행렬연산
- 그래픽환경

## ● 확장성 및 범용성

- Linux, Mac, Windows 운영체제에서 사용 가능
- Java, C, Fortran 프로그래밍 언어에 인터페이스 제공
- DBMS 데이터 접근 용이
- Embedded R in Excel

## ● Free software and Open source

- GPL(General Public License) 개념으로  
CRAN(Comprehensive R Archive Network)에서 배포