All Installers

Linux users may need to import RStudio's public code-signing key ↗ prior to installation, depending on the operating system's security policy.

RStudio requires a 64-bit operating system. If you are on a 32 bit system, you can use an older version of RStudio.

OS	Download	Size	SHA-256
Windows 10/11	⬇ RStudio-2022.07.2-576.exe	190.49 MB	b38bf925
macOS 10.15+	⬇ RStudio-2022.07.2-576.dmg	224.49 MB	35028d02
Ubuntu 18+/Debian 10+	⬇ rstudio-2022.07.2-576-amd64.deb	133.19 MB	b7d0c386
Ubuntu 22	⬇ rstudio-2022.07.2-576-amd64.deb	134.06 MB	e1c51003
Fedora 19/Red Hat 7	⬇ rstudio-2022.07.2-576-x86_64.rpm	103.29 MB	6594c7bf
Fedora 34/Red Hat 8	⬇ rstudio-2022.07.2-576-x86_64.rpm	150.13 MB	bcfce754
OpenSUSE 15	⬇ rstudio-2022.07.2-576-x86_64.rpm	134.10 MB	a266d996

Zip/Tarballs

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swpc-17@swpc17-H81M-S: ~

```
swpc-17@swpc17-H81M-S:~$ sudo apt-get install r-base
[sudo] password for swpc-17:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  build-essential bzip2-doc dpkg-dev fakeroot g++ g++-9 gfortran gfortran-9
  icu-devtools libalgorithm-diff-perl libalgorithm-diff-xs-perl
  libalgorithm-merge-perl libblas-dev libblas3 libbz2-dev libfakeroot
  libgfortran-9-dev libgfortran5 libicu-dev libjpeg-dev libjpeg-turbo8-dev
  libjpeg8-dev liblapack-dev liblapack3 liblzma-dev libncurses-dev
  libncurses5-dev libpcre16-3 libpcre2-16-0 libpcre2-dev libpcre2-posix2
  libpcre3-dev libpcre32-3 libpcrecpp0v5 libpng-dev libpng-tools
  libreadline-dev libstdc++-9-dev make r-base-core r-base-dev r-base-html
  r-cran-boot r-cran-class r-cran-cluster r-cran-codetools r-cran-foreign
  r-cran-kernsmooth r-cran-lattice r-cran-mass r-cran-matrix r-cran-mgcv
  r-cran-nlme r-cran-nnet r-cran-rpart r-cran-spatial r-cran-survival
  r-doc-html r-recommended zlib1g-dev
Suggested packages:
  debian-keyring g++-multilib g++-9-multilib gcc-9-doc gfortran-multilib
  gfortran-doc gfortran-9-multilib gfortran-9-doc libcoarrays-dev
  liblapack-doc icu-doc liblzma-doc ncurses-doc readline-doc libstdc++-9-doc
  make-doc elpa-ess r-doc-info | r-doc-pdf r-mathlib texlive-base
  texlive-latex-base texlive-plain-generic texlive-fonts-recommended
```

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swpc-16@swpc16-To-be-filled-by-O-E-M: ~

```
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.

  Natural language support but running in an English locale

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.

> print(1+1)
[1] 2
> print(5*2)
[1] 10
> print(10/2)
[1] 5
> print(5-4)
[1] 1
> 
```

	A	B	C	D	E	F	G	H	I	J
1	Country_Name	Year	Region	IncomeGroup	CO2_emissions_metric_tons_per_capita	Urban_population	Energy_use_kg_of_oil_equivalent_per_capita			
2	Afghanistan	1960	South Asia	Low income	0.046056713	755836	NA			
3	Afghanistan	1961	South Asia	Low income	0.053588835	796272	NA			
4	Afghanistan	1962	South Asia	Low income	0.073720831	839385	NA			
5	Afghanistan	1963	South Asia	Low income	0.074160725	885228	NA			
6	Afghanistan	1964	South Asia	Low income	0.086173614	934135	NA			
7	Afghanistan	1965	South Asia	Low income	0.101284912	986074	NA			
8	Afghanistan	1966	South Asia	Low income	0.107398881	1041191	NA			
9	Afghanistan	1967	South Asia	Low income	0.123409532	1099272	NA			
10	Afghanistan	1968	South Asia	Low income	0.115142498	1161355	NA			
11	Afghanistan	1969	South Asia	Low income	0.086509857	1228273	NA			
12	Afghanistan	1970	South Asia	Low income	0.149651474	1300947	NA			
13	Afghanistan	1971	South Asia	Low income	0.165208321	1379463	NA			
14	Afghanistan	1972	South Asia	Low income	0.129995594	1463290	NA			
15	Afghanistan	1973	South Asia	Low income	0.135366588	1551037	NA			
16	Afghanistan	1974	South Asia	Low income	0.154503241	1640868	NA			
17	Afghanistan	1975	South Asia	Low income	0.167612356	1730928	NA			
18	Afghanistan	1976	South Asia	Low income	0.153557886	1821611	NA			
19	Afghanistan	1977	South Asia	Low income	0.181522166	1912078	NA			
20	Afghanistan	1978	South Asia	Low income	0.161894232	1997578	NA			
21	Afghanistan	1979	South Asia	Low income	0.167066411	2070935	NA			
22	Afghanistan	1980	South Asia	Low income	0.131782918	2136374	NA			
23	Afghanistan	1981	South Asia	Low income	0.150614656	2181492	NA			
24	Afghanistan	1982	South Asia	Low income	0.163103934	2208967	NA			

```r
```{r Reading Data, echo=FALSE, warning=FALSE, message=FALSE, eval=TRUE }
Sec2Data1 <- read.csv(here::here("Data/data_set.csv"))
```
```

Keeping 'Region' and 'Income Group' same for both countries, for this section of analysis.

```r
```{r Filtering countries and removing NA values for Co2, echo=FALSE, eval=TRUE}
Data2 <- Sec2Data1 %>%
  dplyr::filter(!is.na(CO2_emissions_metric_tons_per_capita),
              Country_Name %in% c("Mexico", "Venezuela, RB", "India","Algeria","Austria","Zambia","UK", "Uganda"))
```
```

\subsection* {what is the pattern for level of Co2 emmssions overall, over a period, for both countries and statistics for it, for latest 5 years data?}

```r
```{r S2Fig1, fig.cap = "Level of Co2 emissions over the years ",  warning=FALSE, fig.show="hold", out.width="60%", echo=FALSE, eval=TRUE}
plot1<- Data2 %>%
  select(Country_Name, Year, CO2_emissions_metric_tons_per_capita)

ggplot(plot1, aes(x = Year,y = CO2_emissions_metric_tons_per_capita,
                        colour=Country_Name)) +
  geom_col()+
  theme_bw()
```
```