#### R and R Studio

2019

Antonello Salis Forestry Officer antonellosalis@gmail.com

Antonello.salis@fao.org

#### R & RStudio

https://cran.r-project.org/

https://www.r-project.org/

**License: GNU General Public License** 

**Pricing:** Free

https://www.rstudio.com/

License: AGPL v3

**Pricing:** Free

# R training Roadmap 1 day (1 hour) [file: R\_training\_A1.R]

- Install R & Rstudio;
- Overview;
- First steps with Rstudio:
  - \* Data types;
  - \* Vectors;
  - \* Plots.

### R training Roadmap

Before start please click on "Clone or Download" green button in <a href="https://github.com/antonellosalis/R\_training">https://github.com/antonellosalis/R\_training</a>; Save and unzip the content on your computer.

## Yes

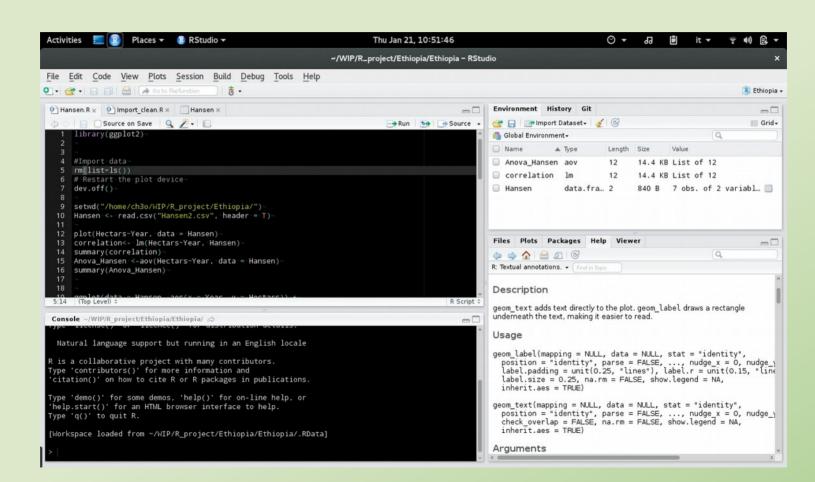
- data handling and storage: numeric, textual
- matrix algebra
- hash tables and regular expressions
- high-level data analytic and statistical functions
- graphics
- programming language: loops, branching, subroutines

### No

•is not a database, but connects to DBMSs

no professional / commercial support

```
ch3o@black: ~ ch3o@black: ~
ch3o@black:~$ R
R version 3.2.3 (2015-12-10) -- "Wooden Christmas-Tree"
Copyright (C) 2015 The R Foundation for Statistical Computing
Platform: x86 64-pc-linux-gnu (64-bit)
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.
[Previously saved workspace restored]
```



y~x, df, shade.alpha=0, slices=400, palette=colorRampPalette(c("black", "green", "yellow", "red"), bias=5)(2 family="symmetric" 20 0 --20 2 -1

Over 10.000 Packages!

