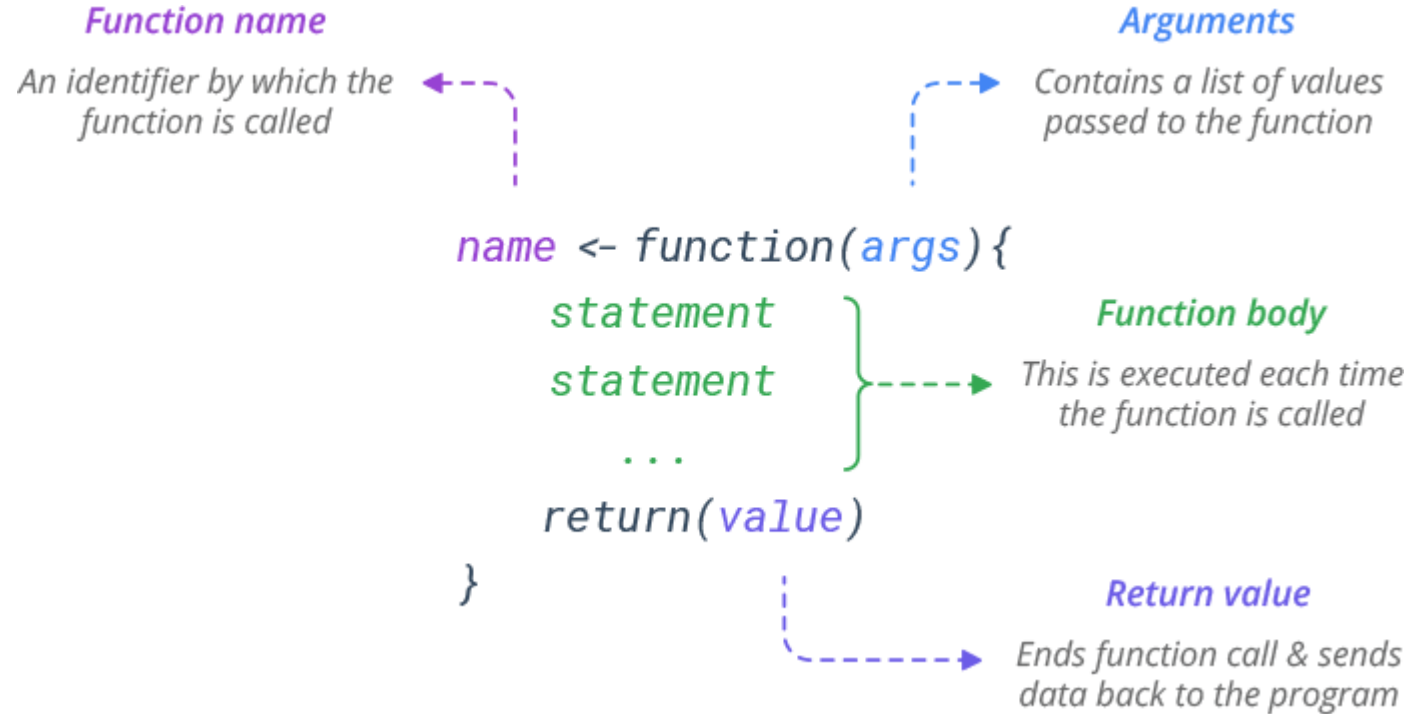


Applied Statistics for Data Scientists with R

Class 05: Functions & Introduction to Packages

Learning Objective

1. Create your own functions
2. Install and use openly available packages



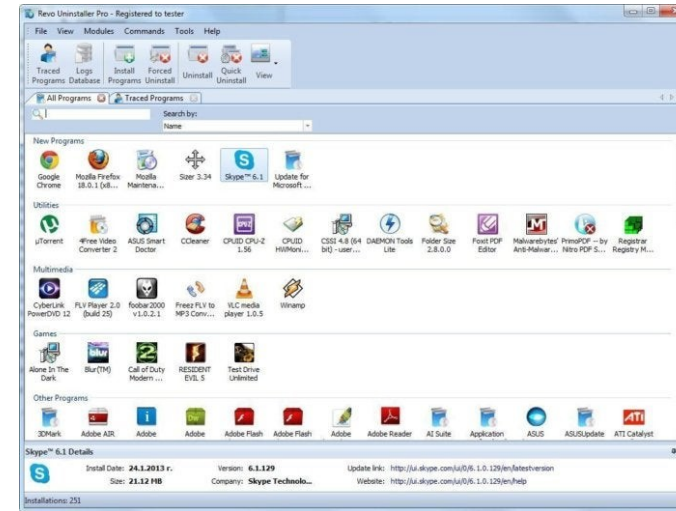
- Set default values
- Return single and multiple outputs
- Invisible return
- Ellipsis
- Function as argument
- Many more

Packages: Why do you need it?



You have laptop

You have R

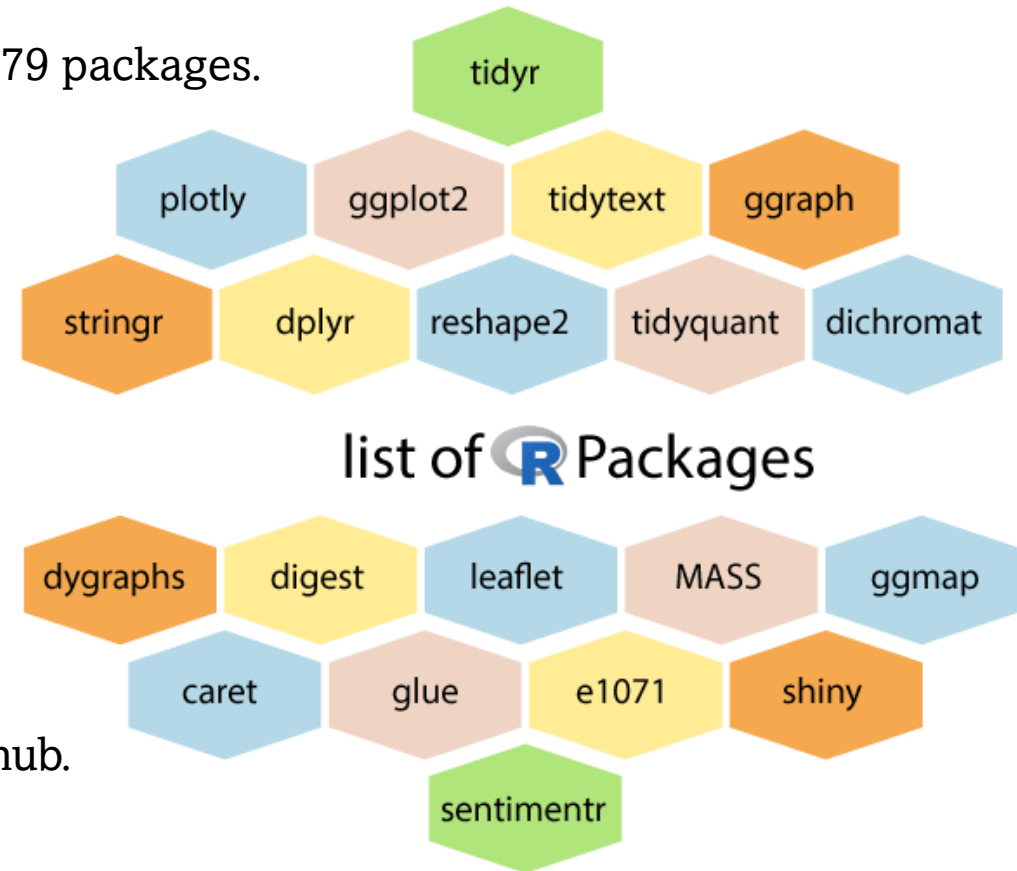


You install software

You install packages

As of 12 Dec 2024, the CRAN package repository features 21,779 packages.

See more: <https://cran.r-project.org/web/packages/>



`install.packages()` to install packages from CRAN.
`devtools::install_github()` to install packages from Github.



R packages for data science

The tidyverse is an opinionated **collection of R packages** designed for data science. All packages share an underlying design philosophy, grammar, and data structures.

Install the complete tidyverse with:

```
install.packages("tidyverse")
```