Séminaire

RUSS

R à l'usage des sciences sociales
EHESS - salle AS1_23
54 boulevard Raspail, 75006 Paris

Mes débuts avec R
par Elisabeth Morand et Bénédicte Garnier
Ined

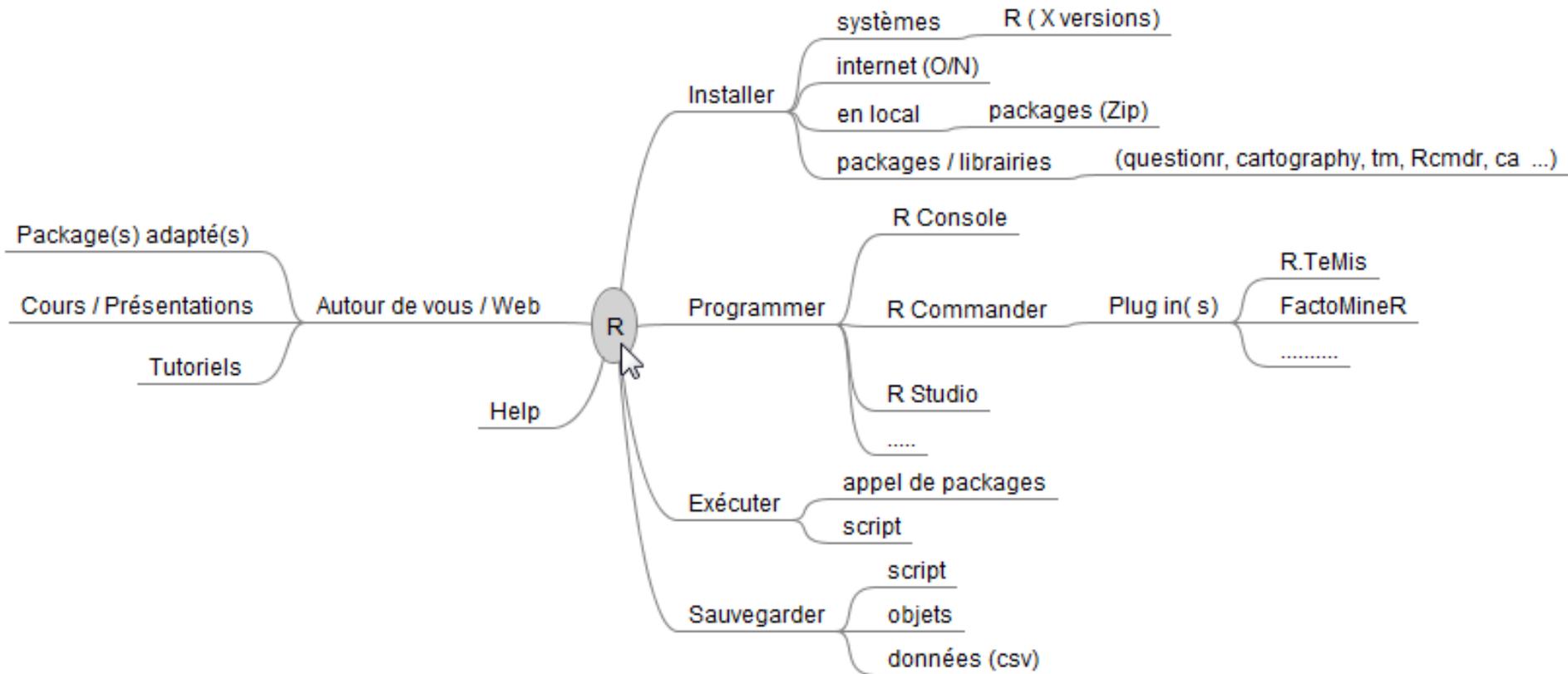Séance 1 - jeudi 7 décembre 2017 (9h30-12h)

Au programme

- Histoire du logiciel et la galaxie R

- Echanges informels autour de nos retours d'expériences

- Installations de R ensemble

- Analyse de scripts et questions

- Retour sur le questionnaire
https://framaforms.org/debutons-avec-r-1512034135

Le « monde » de R de B.

Installer
- systèmes — R (X versions)
- internet (O/N)
- en local — packages (Zip)
- packages / librairies — (questionr, cartography, tm, Rcmdr, ca ...)

Autour de vous / Web
- Package(s) adapté(s)
- Cours / Présentations
- Tutoriels

Help

Programmer
- R Console
- R Commander — Plug in(s)
  - R.TeMis
  - FactoMineR
  - ....
- R Studio
- .....

Exécuter
- appel de packages
- script

Sauvegarder
- script
- objets
- données (csv)

R

Point sur les installations de R

Je souhaite installer R	
Non	
sous Windows	3
sous Linux	1
sous Mac	3

Site officiel de R : Site du [Cran](#) :

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

The Comprehensive R Archive Network

Download and Install R

Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:

- Download R for Linux
- Download R for (Mac) OS X
- Download R for Windows

R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above.

Source Code for all Platforms

Windows and Mac users most likely want to download the precompiled binaries listed in the upper box, not the source code. The sources have to be compiled before you can use them. If you do not know what this means, you probably do not want to do it!

- The latest release (2017-11-30, Kite-Eating Tree) R-3.4.3.tar.gz, read what's new in the latest version.

- Sources of R alpha and beta releases (daily snapshots, created only in time periods before a planned release).

- Daily snapshots of current patched and development versions are available here. Please read about new features and bug fixes before filing corresponding feature requests or bug reports.

- Source code of older versions of R is available here.

- Contributed extension packages

CRAN
Mirrors
What's new?
Task Views
Search

About R
R Homepage
The R Journal

Software
R Sources
R Binaries
Packages
Other

Documentation
Manuals
FAQs
Contributed

Installation de R

Download R 3.4.3 for Windows (62 megabytes, 32/64 bit)

Installation and other instructions
New features in this version

R 3.4.3 for Windows
====================

This distribution contains a binary distribution of R-3.4.3 to run on
Windows XP and later (including 64-bit versions of Windows) on ix86
and x86_64 chips. It is designed to be as close as possible to the
implementation on Unix, but see the list of differences below. The
port was by Guido Masarotto, Brian Ripley and Duncan Murdoch.

Installation
============

The distribution is distributed as an installer R-3.4.3-win.exe.
run this for a Windows-style installer.

For more details, including command-line options for the installer
how to uninstall, see the rw-FAQ. If you are reading this as part
an installed version of R, that is both a file rw-FAQ in this dire
and a file doc\html\rw-FAQ.html.

Usage
=====

There are two versions of the R executable in R-3.4.3\bin\i386 (32
and R-3.4.3\bin\x64 (64-bit). By default only the first is
installed on 32-bit versions of Windows, and both on 64-bit OSes.

GUI:

Rgui.exe runs as a standard Windows GUI executable and provides an R
console in its own window. It takes the standard R command-line
arguments; these are most easily set by making a shortcut to
...\R-3.4.3\bin\i386\Rgui.exe (or x64\Rgui.exe) and adding the

R for Mac OS X

R-3.4.2.pkg
MD5-hash: 71d2db804db38cf2ce8ff9cfed1fa860
SHA-hash: c577af8eabf06e5a230b2932545340e9e1273dba
(ca. 61MB)

Index of /bin/linux

Name	Last modified	Size	Description
Parent Directory		-	
debian/	2017-10-10 09:04	-	
redhat/	2014-07-27 21:12	-	
suse/	2012-02-16 15:09	-	
ubuntu/	2017-12-06 16:10	-	

Apache/2.4.10 (Debian) Server at cran.r-project.org Port 443

Sous Linux installation via votre gestionnaire de pakages car dépend d'une distribution de **Linux** à une autre
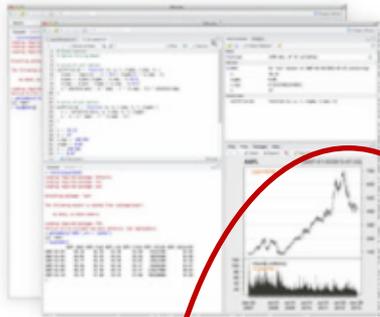
Installation de R Studio

http://www.rstudio.com/products/rstudio/download/

Une fois **R** installé
Télécharger la version *Open Source* de **RStudio Desktop**

R Studio   rstudio::conf   Products   Resources   Pricing   About Us

RStudio Desktop 1.1.383 — Release Notes

RStudio requires R 3.0.1+. If you don't already have R, download it here.

Installers for Supported Platforms

Installers	Size	Date	MD5
RStudio 1.1.383 - Windows Vista/7/8/10	85.8 MB	2017-10-09	450755b853dcdbaa60be641552ef3c0f
RStudio 1.1.383 - Mac OS X 10.6+ (64-bit)	74.5 MB	2017-10-09	ec121f9abc0b817ddcca85d71a5988e3
RStudio 1.1.383 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	89.2 MB	2017-10-09	9588bce746f2a5e8da299c4a8b35d4fa
RStudio 1.1.383 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	97.4 MB	2017-10-09	3eede231b7206a7eebbf090f4991358f
RStudio 1.1.383 - Ubuntu 16.04+/Debian 9+ (64-bit)	65 MB	2017-10-09	fccec7cbf773c3464ea6cbb91fc2ec28
RStudio 1.1.383 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	88.1 MB	2017-10-09	36b4d00c6ec5c6a39194287b468ceb44
RStudio 1.1.383 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	90.6 MB	2017-10-09	ae400e2504ec9c5862343c24fe3cd61d

Zip/Tarballs

Zip/tar archives	Size	Date	MD5
RStudio 1.1.383 - Windows Vista/7/8/10	122.9 MB	2017-10-09	abfc9ac40cbc59fc141ede7ef33000be
RStudio 1.1.383 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	90 MB	2017-10-09	b4277c6422a51d05376f6ab3c0f6adc8
RStudio 1.1.383 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	98.3 MB	2017-10-09	370f6b565b8371f0adff943cef56ba44
RStudio 1.1.383 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	88.8 MB	2017-10-09	4e81a3242bc3e672061c74e388ec902b
RStudio 1.1.383 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	91.4 MB	2017-10-09	a1ce682f868fd7cfc7b4a6011d17e43d

Ressources évoquées

- Mooc de Bruno Fallisard
  - →https://www.fun-mooc.fr/courses/course-v1:UPSUD+42001+session07/about
- Présentation de Joseph Larmarange
  - →http://larmarange.github.io/analyse-R/
- Julien Barnier
  - → http://quanti.hypotheses.org/217/
- La paillasse
  - →https://lapaillasse.org/