

R and RStudio



FISHREG
Maritime Affairs Unit - IPSC
European Commission
Joint Research Center

Why R?

- Simple yet powerful
- Multi-platform
- Easily extendable
- Huge community = support
- Open source and free. . .

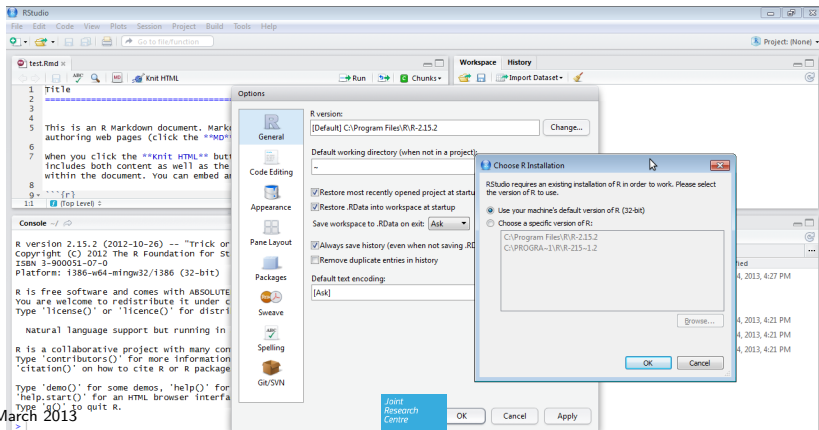
Materials

- R 3.0.*
- RStudio or other text editor (<http://www.rstudio.com/>)

RStudio installation

Select 32 bit R

Tools -> Options -> General -> R version



The screenshot shows the RStudio application window. The 'Options' dialog box is open, with the 'General' tab selected. The 'R version:' field shows '[Default] C:\Program Files\R\R-2.15.2'. The 'Default working directory (when not in a project):' is set to '-'. The 'Restore most recently opened project at startup' checkbox is checked. The 'Restore .RData into workspace at startup' checkbox is checked. The 'Save workspace to .RData on exit:' dropdown is set to 'Ask'. The 'Always save history (even when not saving .RData)' checkbox is checked. The 'Remove duplicate entries in history' checkbox is unchecked. The 'Default text encoding:' is set to '[Ask]'. The 'Choose R Installation' dialog box is also open, showing the 'Use your machine's default version of R (32-bit)' radio button selected. The 'Choose a specific version of R:' list shows 'C:\Program Files\R\R-2.15.2' and 'C:\PROGRA~1\R\R-215~1.2'. The 'Browse...' button is visible. The 'OK' button is highlighted.

R version: [Default] C:\Program Files\R\R-2.15.2 Change...

Default working directory (when not in a project): -

☒ Restore most recently opened project at startup

☒ Restore .RData into workspace at startup

Save workspace to .RData on exit: Ask

☒ Always save history (even when not saving .RData)

☐ Remove duplicate entries in history

Default text encoding: Ask

Choose R Installation

RStudio requires an existing installation of R in order to work. Please select the version of R to use.

☒ Use your machine's default version of R (32-bit)

☐ Choose a specific version of R:

C:\Program Files\R\R-2.15.2
C:\PROGRA~1\R\R-215~1.2

Browse...

OK Cancel Apply

Installation: packages

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

- ggplot2