

The .RProfile File

Denver RUG Lightning Talks
December 2011

Ryan Elmore
National Renewable Energy Lab

rtelmore@gmail.com
@rtelmore

What is .RProfile?

- The user startup file (similar to `.bash_profile`, `.vimrc`, etc.)
- Located in `~/` on unix-like systems (`ls -la`)
- Note: there may be a “site-wide” `.RProfile` file on your system (check `R_HOME/etc/RProfile.site`)
- It's handy for customizing your R session.

.First()

- .First is a great place to set the options (? options) on startup, e.g. papersize, digits, browser, etc. and to load specific libraries
- Example:

.First()

- .First is a great place to set the options (? options) on startup, e.g. papersize, digits, browser, etc. and to load specific libraries
- Example:

```
.First <- function() {  
  options("device" = "quartz")  
  options(stringsAsFactors=FALSE)  
  options("papersize" = "letter")  
  library(ProjectTemplate)  
  library(ggplot2)  
  cat("\n Welcome back, Ryan. Do some work! \n")  
}
```

Aliases

- Example aliases:

```
s <- base::summary  
h <- utils::head
```

- I could be making this up, but it doesn't seem to work if you only use the `name` specification (as opposed to `pkg::name`) if the function *isn't* in the base package.

Hidden Files

```
.my.ls <- function (pos = 1, pattern, order.by, decreasing=FALSE,
                    head=FALSE, n=5) {
  napply <- function(names, fn) sapply(names, function(x)
                                         fn(get(x, pos = pos)))
  names <- ls(pos = pos, pattern = pattern)
  obj.class <- napply(names, function(x) as.character(class(x))
[1])
  obj.mode <- napply(names, mode)
  obj.type <- ifelse(is.na(obj.class), obj.mode, obj.class)
  obj.prettysize <- napply(names, function(x) {
    capture.output(print(object.size(x),
units = "auto")) })
  obj.size <- napply(names, object.size)
  obj.dim <- t(napply(names, function(x)
    as.numeric(dim(x)) [1:2])))
```

Resources

- <http://stackoverflow.com/questions/1189759/expert-r-users-whats-in-your-rprofile>
- ?Sys.getenv
- ?Startup