xxxARTofR

as a wrapper of bannerCommenter::banner()

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with gratitude to Bill Venables

IDEAS

There is a gratuitous advice in BannerCommenter help doc saying:
'A potential danger of providing this simple facility is that some authors may be tempted to overdo their script decoration.'

These set of functions, being a wrapper of banner, was designed to

(1) Achieve a balance between simplicity and complexity
(2) Make use of Rstudio section tag and build a hierarchy
(3) From clipboard to clipboard (e.g. call xxx_box() with no input, last texts in clipboard will be grabbed into the function)
(4) It was called xxx so that it can be distinguished from any other R packages.

Common usage

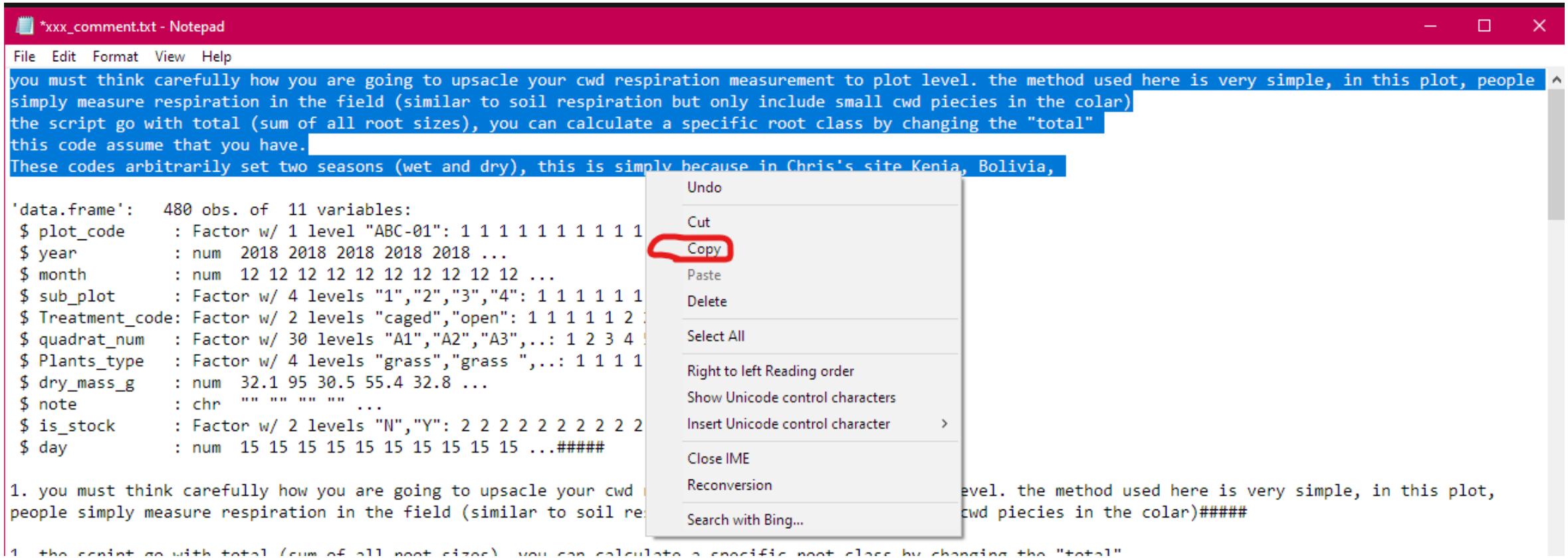
Start by sourcing all R scripts. (might compress them into a package in the future)

```
invisible(lapply(list.files(path="F:/Side_project/xxxARTofR/",pattern = "[.]R$", recursive = TRUE,full.names = T), source))
```

(just change the path)

Common usage

Type sentence in a notepad and copy



Common usage

Call xxx_box(), or xxx_box1() if you want decoration
And then the formatted text will be in your clipboard and ready to paste somewhere

```
> xxx_box()

#  you must think carefully how you are going to upsacle your cwd respiration
#  measurement to plot level. the method used here is very simple, in this
#  plot, people simply measure respiration in the field (similar to soil
#  respiration but only include small cwd piecies in the colar)
#
#  the script go with total (sum of all root sizes), you can calculate a
#  specific root class by changing the "total"
#
#  this code assume that you have.
#
#  These codes arbitrarily set two seasons (wet and dry), this is simply
#  because in Chris's site Kenia, Bolivia,
```

Style

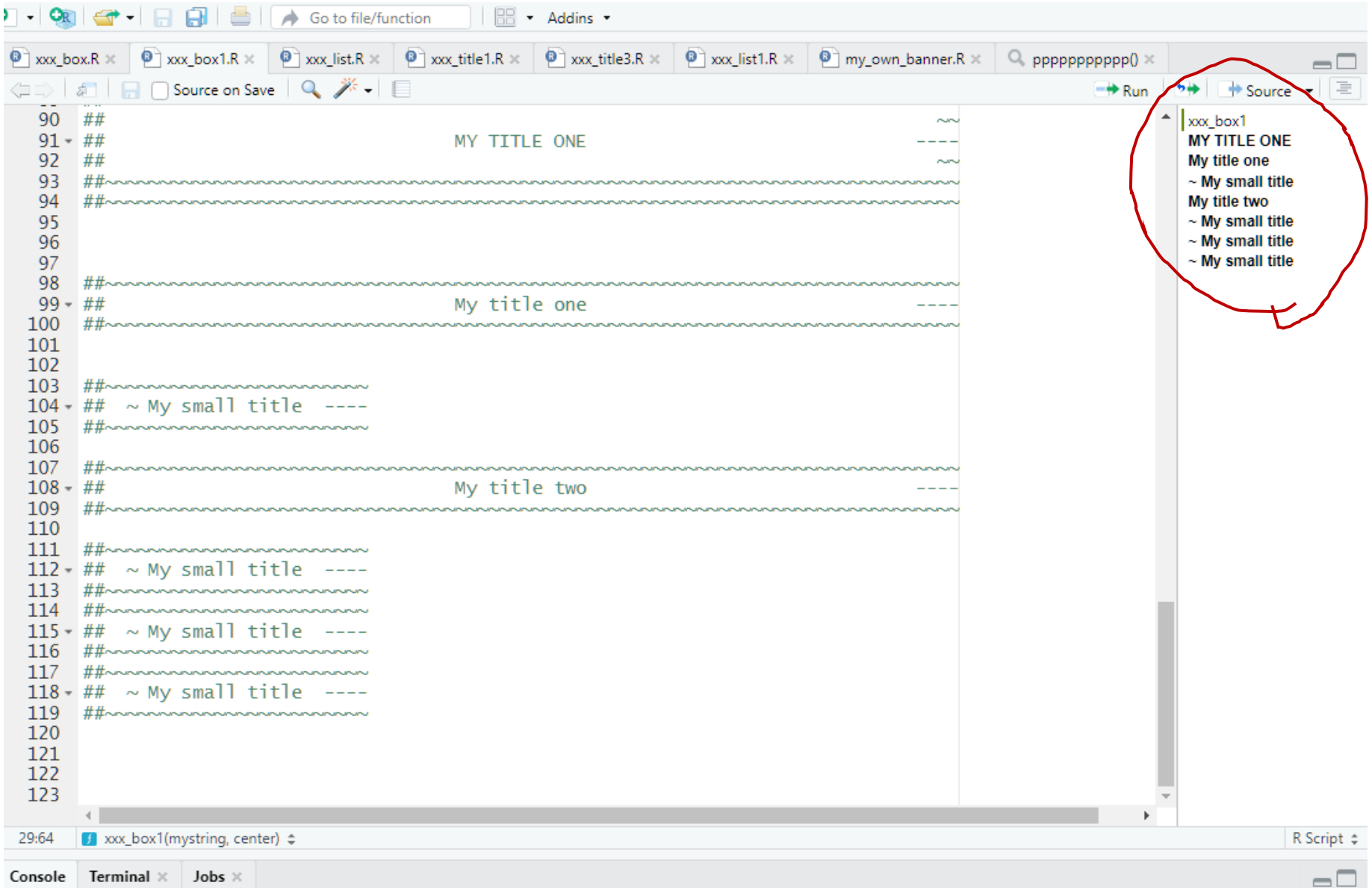
There is only one style at the moment

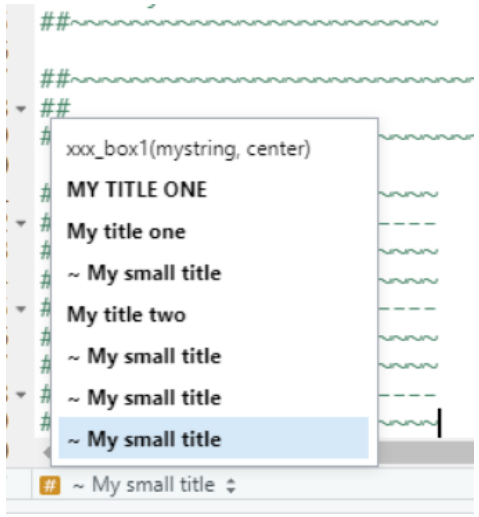
```
> xxx_box1()

#.....................................................................
#                                                                     .
#  you must think carefully how you are going to upsacle your cwd respiration  .
#  measurement to plot level. the method used here is very simple, in this     .
#  plot, people simply measure respiration in the field (similar to soil       .
#  respiration but only include small cwd piecies in the colar)                .
#                                                                     .
#  the script go with total (sum of all root sizes), you can calculate a       .
#  specific root class by changing the "total"                                 .
#                                                                     .
#  this code assume that you have.                                             .
#                                                                     .
#  These codes arbitrarily set two seasons (wet and dry), this is simply       .
#  because in Chris's site Kenia, Bolivia,                                     .
#                                                                     .
#.....................................................................
```

Hierarchy

```
> xxx_title1('My big title')

##~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
##~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
##                                                                              ~~
##                                 MY BIG TITLE                               ----
##                                                                              ~~
##~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
##~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

> xxx_title2('My medium title')

##~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
##                                My medium title                             ----
##~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

> xxx_title3('My small title')
##~~~~~~~~~~~~~~~~~~~~~~~~~
##  ~ My small title  ----
##~~~~~~~~~~~~~~~~~~~~~~~~~
> |
```

Auto navigation in Rstudio





Other tricks

List() was designed for bullet points, while box() was designed for paragraphs

```
> source("F:/Side_project/xxxARTofR/xxx_list.R")
> source("F:/Side_project/xxxARTofR/xxx_list1.R")
> xxx_list()

#  1. A harness is a set of straps which fit under a person's arms and
#     fasten around their body in order to keep a piece of equipment in
#     place or to prevent the person moving from a place.
#  2. A harness is a set of straps which fit un
#  3. A harness is a set of straps which fit
#  4. A harness is a set of straps which

> xxx_list1()

#.....................................................................
#                                                                     .
#  1. A harness is a set of straps which fit under a person's arms and .
#     fasten around their body in order to keep a piece of equipment in .
#     place or to prevent the person moving from a place.             .
#  2. A harness is a set of straps which fit un                       .
#  3. A harness is a set of straps which fit                          .
#  4. A harness is a set of straps which                              .
#                                                                     .
#.....................................................................

>
```

Other tricks

```
> xxx_devider1()
    #.............................................................
> xxx_devider1('Archived info')
    #........................Archived info........................
> xxx_devider2()

##~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

> xxx_devider2('Archived info')


#                          Archived info                          ~~~~
#~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```