

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

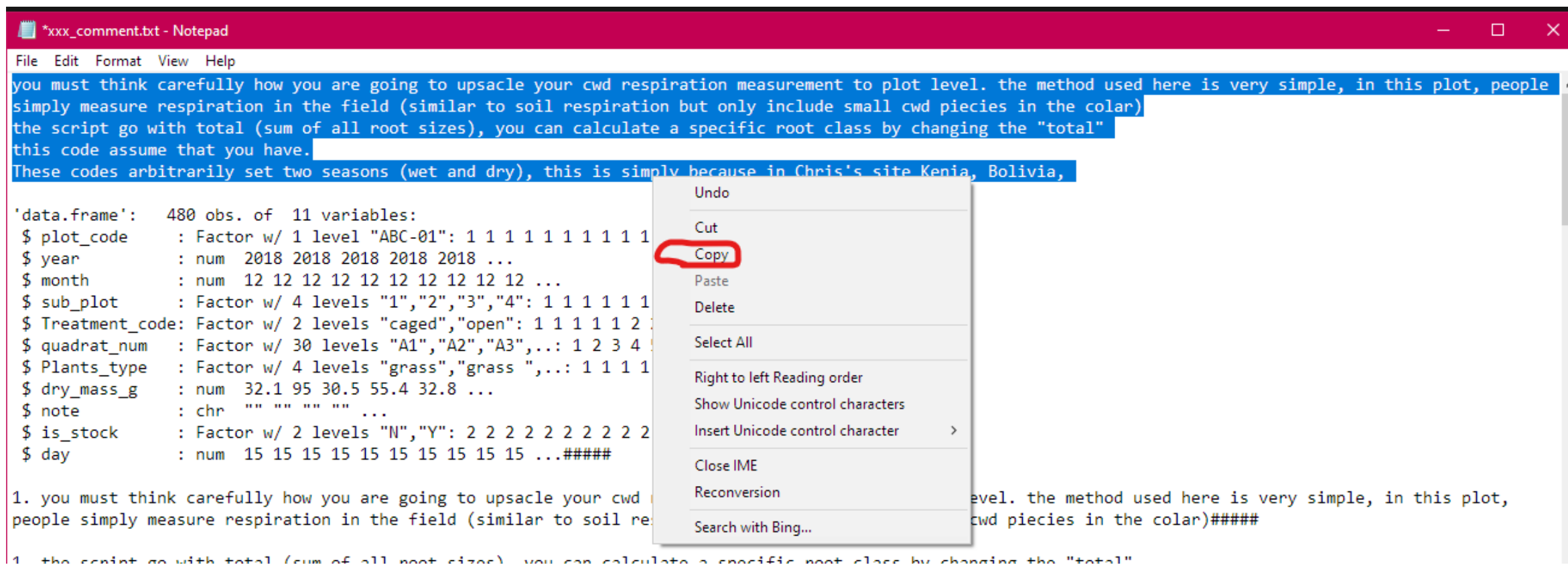
Start by sourcing all R scripts. (might compress them into a package in the future)

```
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



The screenshot shows a Notepad window titled '*xxx_comment.txt - Notepad'. The text inside is highlighted in blue, and a context menu is open over it with the 'Copy' option selected and circled in red. The text in the notepad is as follows:

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,

```
'data.frame':  480 obs. of  11 variables:
 $ plot_code   : Factor w/ 1 level "ABC-01": 1 1 1 1 1 1 1 1 1 1
 $ year        : num  2018 2018 2018 2018 2018 ...
 $ month       : num  12 12 12 12 12 12 12 12 12 ...
 $ sub_plot    : Factor w/ 4 levels "1","2","3","4": 1 1 1 1 1 1
 $ Treatment_code: Factor w/ 2 levels "caged","open": 1 1 1 1 1 2
 $ quadrat_num  : Factor w/ 30 levels "A1","A2","A3",...: 1 2 3 4
 $ Plants_type  : Factor w/ 4 levels "grass","grass ",...: 1 1 1 1
 $ dry_mass_g   : num  32.1 95 30.5 55.4 32.8 ...
 $ note        : chr  "" "" "" "" ...
 $ is_stock     : Factor w/ 2 levels "N","Y": 2 2 2 2 2 2 2 2 2 2
 $ day         : num  15 15 15 15 15 15 15 15 15 ...####
```

1. you must think carefully how you are going to upsacle your cwd 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)####

1. the script go with total (sum of all root sizes), you can calculate a specific root class by changing the "total"

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 upscale 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 pieces in the collar)  
#  
# 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 upscale 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 pieces 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               ----  
##~                                     ~  
##~-----  
##~-----
```

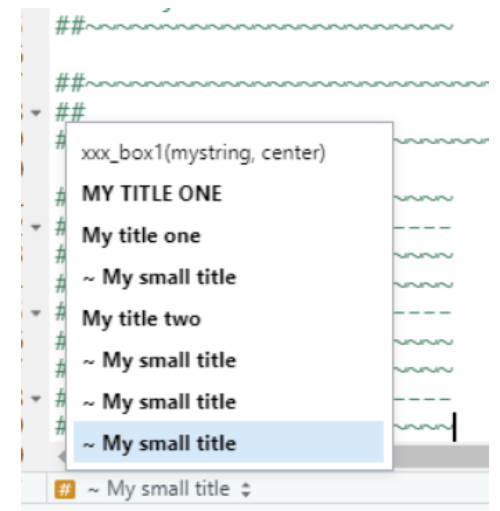
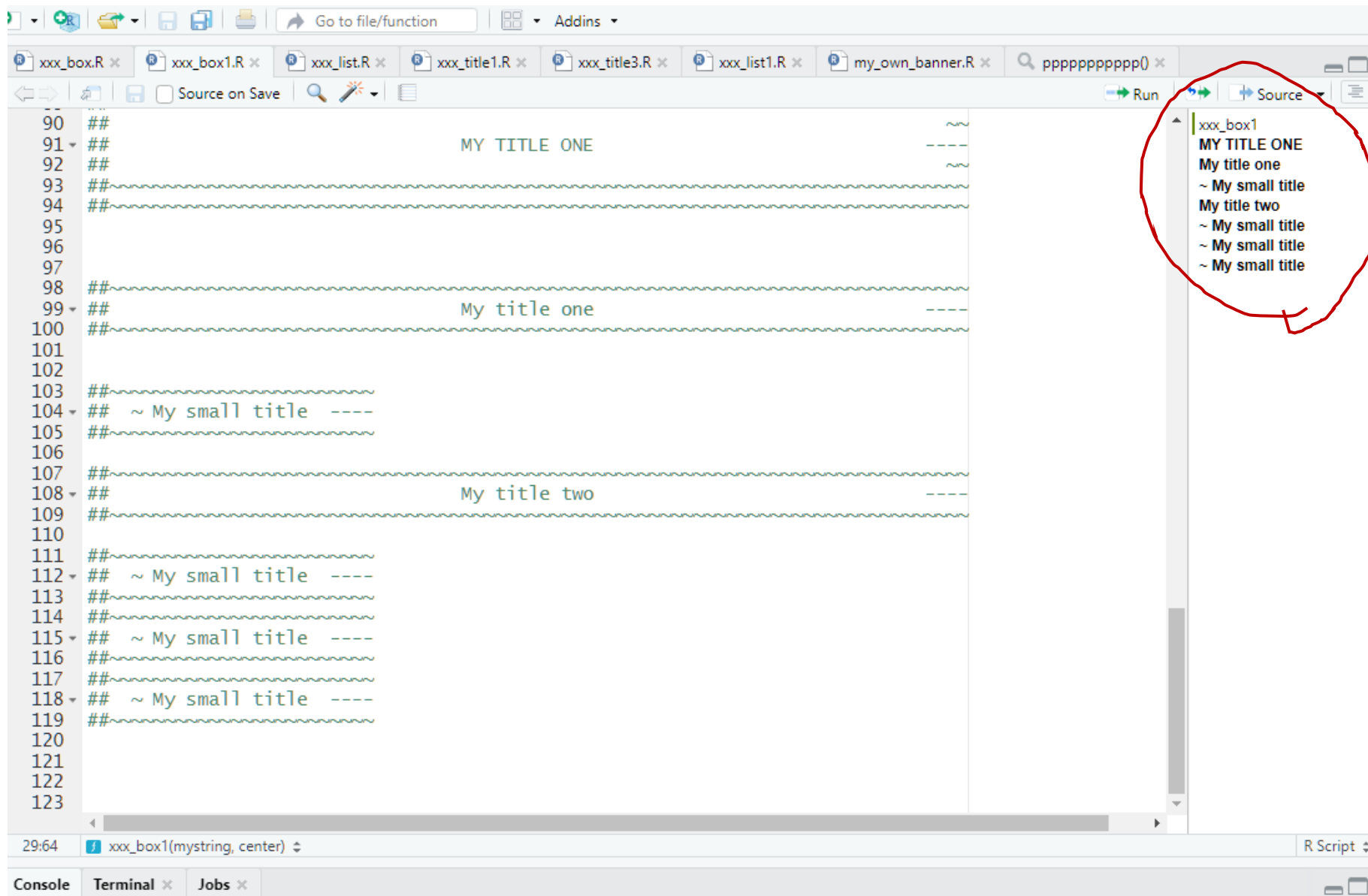
```
> xxx_title2('My medium title')
```

```
##~-----  
##~               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           ~~~~
#~~~~~
```