



TiddlyWikiR: un paquete de R para la generación de informes no lineales

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Quienes somos?

Genometra (www.genometra.com) es una empresa biotecnológica que proporciona servicios de consultoría y análisis de datos biológicos obtenidos en laboratorios, hospitales y centros de investigación



Que es TiddlyWiki?

- TiddlyWiki es una aplicación construida en un único archivo HTML que incluye CSS y JavaScript ejecutándose por detrás del contenido a mostrar.
- <http://tiddlywiki.com/> (archivo `empty.html`)
- Edición mediante los diferentes browsers existentes



TiddlyWiki classic

My TiddlyWiki a reusable non-linear personal web notebook b notebook

GettingStarted close close others edit more

GettingStarted
(built-in shadow tiddler), 23 June 2013 (created 23 June 2013)

To get started with this blank *TiddlyWiki*, you'll need to modify the following tiddlers: no tags

- **SiteTitle & SiteSubtitle**: The title and subtitle of the site, as shown above (after saving, they will also appear in the browser title bar)
- **MainMenu**: The menu (usually on the left)
- **DefaultTiddlers**: Contains the names of the tiddlers that you want to appear when the *TiddlyWiki* is opened

You'll also need to enter your username for signing your edits:

search
close all
permaview
new tiddler
new journal
save changes
options »
Timeline All Tags More



Modelos de TiddlyWiki

<http://themes.tiddlywiki.com/>

A screenshot of the 'My TiddlyWiki' theme. The header is white with the title 'My TiddlyWiki' in orange and the subtitle 'a reusable non-linear personal web notebook' in grey. Below the header is a white content area with a 'GettingStarted' page. The page content includes instructions on how to get started and a list of tiddlers to modify: SiteTitle & SiteSubtitle, MainMenu, and DefaultTiddlers. A footer area is visible at the bottom with the text 'Type the text for contentFooter'.

Bleach

A screenshot of the 'Kubrick' theme. The header is a solid blue color with the title 'My TiddlyWiki' in white and the subtitle 'a reusable non-linear personal web notebook' in a smaller white font. Below the header is a white content area with a 'GettingStarted' page. The page content includes instructions on how to get started and a list of tiddlers to modify: SiteTitle & SiteSubtitle, MainMenu, and DefaultTiddlers. A footer area is visible at the bottom with the text 'TiddlyWiki was created by Jeremy Ruston and TiddyKubic'.

Kubrick

A screenshot of the 'LewcidOrangeBlog' theme. The header is a solid orange color with the title 'My TiddlyWiki' in white and the subtitle 'a reusable non-linear personal web notebook' in a smaller white font. Below the header is a white content area with a 'GettingStarted' page. The page content includes instructions on how to get started and a list of tiddlers to modify: SiteTitle & SiteSubtitle, MainMenu, and DefaultTiddlers. A sidebar is visible on the right with a search box, a 'Timeline' section showing '9 August 2007', and a 'Page Template' section with options like 'SideBarWG' and 'StyleSheet'. A footer area is visible at the bottom with the text 'TiddlyWiki'.

LewcidOrangeBlog



TiddlyWikiR

- Manipulación y organización de los resultados estadísticos con R.
- Inserción de imágenes, hipervínculos a contenido tanto externo como interno, listas, tablas, tiddlers y texto en general.



Funciones paquete TiddlyWikiR

- newEmptyWiki
- twImage
- twLink
- twList
- twTable
- writeTags
- writeTiddlers



TiddlyWikiR example

```
myLink <- twLink("follow the link to a tiddler", ref = "TiddlerName")
myList <- twList(elements = c("line 1", "line 2", "line 3", "line 4"), level = c(1, 1, 2, 2), type = c("o", "o",
"u", "u"))
myData <- as.data.frame(matrix(rnorm(12), ncol = 4))rownames(myData) <- c("one", "two",
"three")
myTable <- twTable(dat = myData, sortable = TRUE)

x <- 1:100
y <- rnorm(100)

my.stats <- summary(glm(y ~ x))
myVector <- c("This may be some bold text", "!This may be a heading")
myTiddler <- newTiddler(title = "MyNewTiddler", content = list(myVector, myLink, myList,
myTable, my.stats))
writeTiddlers(tid = myTiddler, infile = "myReport_1.html", outfile = "myReport_2.html")
```




Result

New Tiddler example

TidlyWikiR lets you insert new tiddlers in an automatic way. This is really useful when you need to insert many sections with automatically generated content.

This is a link to the tiddler called [MyNewTiddler](#) which has been created.

[close](#) [close others](#) [edit](#) [more](#)

MyNewTiddler

TidlyWikiR, 31 December 2013 (created 31 December 2013)

This may be some **bold text**

[no tags](#)

This may be a heading

follow the link to a tiddler

- line 1
- line 2
 - line 3
 - line 4

	V1	V2	V3	V4
one	-0.861	0.399	-0.091	-0.659
two	1.566	-0.088	0.742	0.925
three	1.616	-0.667	-0.299	-0.853

```
Call:
glm(formula = y ~ x)
```

```
Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.636  -0.629  -0.107   0.734   2.819
```

```
Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  0.20157    0.21149   0.95   0.34
x            -0.00305    0.00364  -0.84   0.40
```

(Dispersion parameter for gaussian family taken to be 1.102)

```
Null deviance: 188.72 on 99 degrees of freedom
Residual deviance: 107.95 on 98 degrees of freedom
AIC: 297.4
```

```
Number of Fisher Scoring iterations: 2
```



TiddlyWikiR Demo