



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

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## Quienes somos?

Genometra ([www.genometra.com](http://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:

- **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:

no tags

search

close all  
permaview  
new tiddler  
new journal  
save changes  
options »

Timeline All Tags More



# Modelos de TiddlyWiki

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

Bleach

Kubrick

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

*TiddlyWikiR* 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

*TiddlyWikiR*, 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