

This page should merge with [Spreadsheet JQ](#)

## Spreadsheet

Tiki Spreadsheet performs calculations on user entered numeric data and presents the resulting data in tables and/or graphics within Tiki pages. The documentation describes the various available calculations performed by the Tikisheet.

Enable the feature

## Overview

### History

The spreadsheet feature was [added to Tiki in 2004 \(version 1.9\)](#). Starting in [Tiki5](#), Tiki spreadsheet has moved to [jquery.sheet](#) for a much nicer interface. And even better in [Tiki6](#).

### Sheet management

Graph

Create graphics and charts

History	View spreadsheet modification history
Export	Save the spreadsheet data in an other format
Import	Load data from an other data source
Edit	Modify the parameters of the spreadsheet
Delete	Deletes the spreadsheet

Add one

Insert this code in a wiki page in order to have on spreadsheet added there:

```
{sheet}
```

And follow the instructions/links that you will be provided in the page after saving it.

Usage - text

### Cell Navigation

- Left Arrow - Active cell moves left if possible
- Right Arrow - Active cell moves right if possible
- Up Arrow - Active cell moves up if possible
- Down Arrow - Active cell moves down if possible

### Cell Highlighting With Arrow Keys

- Left Arrow + Shift - Highlights left if possible
- Right Arrow + Shift - Highlights right if possible
- Up Arrow + Shift - Highlights up if possible
- Down Arrow + Shift - Highlights down if possible

### Editing

- Escape - Active cell is removed from focus
- Enter - Active cell is set and cell moves down if possible.
- Shift + Enter - Adds a line break to the cell's value
- Tab - Active cell is set and active cell moves right if possible
- Ctrl + X - Cut
- Ctrl + C - Copy
- Ctrl + V - Paste

### Undo & Redo

- Ctrl + Z - Undo
- Ctrl + Y - Redo

A formula is the reason why spreadsheets are so powerful. jQuery.sheet has a very powerful and secure formula engine that can be used in the following way:

- Starting a cell's value with '=' activates the formula engine on the active cell(s) you are editing, for example (results in 100):

```
=100
```

- This would really be the same as setting the cell's value to '100'
- Now lets start really using formulas (results in 0.03):

```
=(100 + 200) /1000
```

jQuery.sheet v3 offers the option of [creating and referencing variables](#) (see [jQuery.sheet setting formulaVariables](#))

- Example of using simple variable in formula:

```
=variable_name
```

Variables can also have attributes:

- Example of using variable with attributes in formula:

```
=variable_name.attribute
```

- Example of using variable with math:

```
=100 * variable_name
```

Functions are where much of the work is done within spreadsheets. Here is how to use them:

- To use the SUM function, enter the following:

```
=SUM()
```

- To use SUM with a single cell:

```
=SUM(A1)
```

- To use SUM with a range of cells:

```
=SUM(A1:B2)
```

- Nested functions:

```
=DOLLAR(SUM(A1:B2) + SUM(D1:E2))
```

Available Function (To be written)

Cells can be referenced in the following ways:

- Single cell - example:

```
A1
```

- Range of cells - example:

A1:B2

- Single cell fixed - example:

\$A\$1

- Range of cells fixed - example:

\$A\$1:\$B\$2

- Other spreadsheet single cell - Example:

SHEET2!A1

- Other spreadsheet range of cells - Example:

SHEET2!A1:B2

Copy-Paste from a desktop spreadsheet

See:

Function	Arguments	Example	Result	Additional Information	Sample #	Sample Text
ABS	numbers_as_array	"=ABS(F4)"	62		23	Hello World
AVERAGE	values_as_array	"=AVERAGE(F4:F14)"	46.92307692307692	Synonym: ?AVG	45	True
CEILING	numbers_as_array	"=CEILING(F4:F14)"	6,21E+016		62	False
COUNT	html_as_string	"=COUNT(F2:F14)"	13		108	To High
DAYSFROM	url_as_string	"=DAYSFROM(2009,4,15)"	-11		200	To Low
DOLLAR	numbers_as_array	"=DOLLAR(F13)"	\$55.00		36	Perfect
FALSE		"=IF(F4 < 100, TRUE(), FALSE())"	TRUE		17	number
FIXED	number, decimals, noCommas?	"=FIXED(F4+F14)"	41.00	Two decimal places	99	numbers_as_array
FLOOR	numbers_as_array	"=FLOOR(F4-F5)"	-46	Synonym: INT	100	values_as_array
HYPERLINK		"=HYPERLINK("http://www.jquery.com", "jQuery's website")"	jQuery's website		-100	html_as_string
IF	IF(logical_test, value_if_true, value_if_false)	"=IF(F12 < 100, TRUE(), FALSE())"	TRUE	Can have nested IF functions.	-14	url_as_string

IMG		"=IMG("http://ui.jquery.com/images/logo.gif")"			The url can be sensitive to numbers. Also, on initial load, because the image doesn't really have a size, the outerheight can be distorted. An easy way to offset this is to have some text in front of it that's taller than the image :).	55	values
MAX	values_as_array	"=MAX(F3:F13)"	200				
MIN	values_as_array	"=MIN(F3:F13)"	-100				
N	numbers_as_array	"=N(F3)"	45				

PI		"=PI()"	3.141592653589793		If you use "=PI" it will return the actual function as text, which is incorrect. Use "=PI()".		
TODAY		"=TODAY()"	Wed Sep 15 2010 14:32:35 GMT-0400 (Eastern Daylight Time)				
TRUE		"=TRUE()    FALSE()"	TRUE				
SUM	values_as_array	"=SUM(F2:F13)"	631				
ROUND	numbers_as_array	"=ROUND(1.6)"	2				
RAND		"=RAND()"	0.240568838383392		Synonym: RND		

Cell Navigation	Result	Dependency	Synonym
Left Arrow	Active cell moves left if possible.	jQuery.sheet.evt.cellClick()	jS.evt.cellClick()
Right Arrow	Active cell moves right if possible.	jQuery.sheet.evt.cellClick()	jS.evt.cellClick()
Up Arrow	Active cell moves up if possible.	jQuery.sheet.evt.cellClick()	jS.evt.cellClick()
Down Arrow	Active cell moves down if possible.	jQuery.sheet.evt.cellClick()	jS.evt.cellClick()
Escape	Active cell is removed from focus.	jQuery.sheet.evt.cellEditAbandon()	jS.evt.cellEditAbandon()
Enter	Starts in-place edit / Active cell moves down if possible.	jQuery.sheet.evt.formulaKeyDown()	jS.evt.formulaKeyDown()
Ctrl + Enter	Ends in-place edit / Active cell moves down if possible.	jQuery.sheet.evt.formulaKeyDown()	jS.evt.formulaKeyDown()
Tab	Active cell moves right if possible.	jQuery.sheet.evt.cellClick()	jS.evt.cellClick()

Chart Type	Example	Chart	Data	Month	Year
Vertical Bar	"=BARCHART(D2:D13)	<pre>&lt;div class="jSheetChart"&gt;&lt;svg height="172" width="421" version="1.1" xmlns="http://www.w3.org/2000/svg"&gt;&lt;desc&gt;Created with Raphaël&lt;/desc&gt;&lt;defs&gt;&lt;/defs&gt;&lt;path d="M80,139L58,139L58,127L80,127Z" stroke="none" fill="#1751a7"&gt;&lt;/path&gt;&lt;path d="M108,139L86,139L86,1</pre>	4	Jan	2001

```

Horizontal Bar      <div class="jSheetChart"><svg height="148"
                    width="421" version="1.1"
                    xmlns="http://www.w3.org/2000/svg"><desc>Created
                    with Raphaël</desc><defs></defs><path
                    d="M53,27L53,20L95,20L95,27Z" stroke="none"
                    fill="#1751a7"></path><path
                    d="M53,36L53,29L116,29L116,

```

6 Feb 2002

```

Pie                <div class="jSheetChart"><svg height="220"
                    width="421" version="1.1"
                    xmlns="http://www.w3.org/2000/svg"><desc>Created
                    with Raphaël</desc><defs></defs><text
                    fill="#000000" stroke="none" font="12px Arial, sans-
                    serif" style="text-anchor: middle; font: 12px A

```

7.2 Mar 2003

```

Line               <div class="jSheetChart"><svg height="144"
                    width="421" version="1.1"
                    xmlns="http://www.w3.org/2000/svg"><desc>Created
                    with Raphaël</desc><defs></defs><path stroke-
                    linejoin="round" stroke-width="1" style="stroke-
                    width: 1; stroke-linejoin: round;" d="M210.5

```

7.5 Apr 2004

- 8.2 May 2005
- 9.1 Jun 2006
- 14.1 Jul 2007
- 16 Aug 2008
- 17.9 Sep 2009
- 22 Oct 2010
- 30 Nov 2011
- 32 Dec 2012

Inputs are for capturing fixed data, such as a drop down list (INPUT.SELECT), or a checkbox (INPUT.CHECKBOX)

Input Type	Example	Data Number	Data String
Select List	"=INPUT.SELECT(D3:D10)"	34	Lorem
Radio List	"=INPUT.RADIO(E3:E10)"	-20	Proin Aliquam Quisque Aliquam Vivamus Etiam Donec
Checkbox	"=INPUT.CHECKBOX(E3)"	123	Aliquam
Get Select List Value	"=INPUT.SELECTVAL(C3)"	4	123
Get Radio List Value	"=INPUT.RADIOVAL(C4)"	Donec	4
Get Checkbox Value	"=INPUT.CHECKBOXVAL(C5)"	123	534456
Detect if Checkbox is Checked	"=INPUT.ISCHECKED(C5)"	FALSE	3
			1
Function	Arguments	Example	Results Additional Information Sample # Sample Text


FACTORIAL	number	'=FACTORIAL(5)'	120
COMBINATION	number, number	'=COMBINATION(7,5)	21
PERMUTATION	number, number	'=PERMUTATION(7,5)	2520
GAMMA	number		
PRECISION	num, precision		
MINIMUM	array		
MODE	array		
MAXIMUM	array		
MEAN	array		
SUM	array		
MEDIAN	array		
QUARTILES	array		
VARIANCE	array		
MEANDEV	array		
STDEV	array		
COVARIANCE	array, array		
CORR_COEFF	array, array		
UNIFORMCDF	number, number, number		
BINOMIAL	number, number, number		
BIONOMIALCDF	num, num, num		
NEGBIN	num, num, num		
NEGBINCDF	N, m, n, x		
HYPGEOM	N, m, n, x		
HYPGEOMCDF	N, m, n, x		
EXPONENTIALCDF	l, x		
POISSON	l, x		
POISSONCDF	l, x		
NORMCDF	u, s, t		
LINEAR_REQ_EQ	array, array		
EXP_REG_EQ	array, array		
SECANTMETHOD	func, min, max, error, maxiter		
FIVEPT	func, x, h		
FCRIT	f, a b		
ASR	f, a b, precision		

### Usage - Graphs

For the time being, see this external documentation page:

<https://github.com/Spreadsheets/WickedGrid>

See also:

Chart Type	Example	Chart	Data Month Year
Vertical Bar	"=BARCHART(D2:D13)		Jan 2001



Horizontal Bar `"=HBARCHART(D2:D13)`

Feb 2002

Pie `"=LINECHART(D2:D8, F2:F6)"`

Mar 2003

Line `"=PIECHART(D2:D8, E2:E8)"`

Apr 2004

8.2 May 2005

9.1 Jun 2006

14.1 Jul 2007

16 Aug 2008

17.9 Sep 2009

22 Oct 2010

30 Nov 2011

32 Dec 2012

#### From Here

- [PluginSheet](#)
- [Spreadsheet Functionality](#)
- [Spreadsheet Interface](#)
- [Spreadsheet Graphics and Charts](#)
- [jQuery](#)
- [Spreadsheet jq](#)

#### Alias

- [Sheet](#)
- [TikiSheet](#)
- [Tiki Sheet](#)
- [Spreadsheets](#)