The Tiki spreadsheet feature was added to Tiki in 2004 (version 1.9) using Tiki specific PHP and JavaScript code. Starting in Tiki5, the Tiki spreadsheet front-end was upgraded to use jquery.sheet for a much nicer interface, and more features. It worked well for years, and eventually, jQuery.sheet was renamed to WickedGrid. However, WickedGrid has been inactive for years so we need to switch to one of the many impressive modern alternatives. If you would like to help with this, we are looking for financial sponsors and/or volunteer developers. And later, testers. Please contact Marc Laporte.

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

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		-21	
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()"	0.2405688383833392	Synonym: RND		

Cell Navigation	Result	Dependancy	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)	<svg height="172" width="421" version="1.1" xmlns="http://www.w3.org/2000/svg"><desc>Created with Raphaël</desc><defs></defs><path d="M80,139L58,139L58,127L80,127Z" stroke="none" fill="#1751a7"></path><path d="M108,139L86,139L86,1	4	Jan	2001
Horizontal Bar	"=HBARCHART(D2:D13)	<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	"=LINECHART(D2:D8, F2:F6)"	<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	"=PIECHART(D2:D8, E2:E8)"	<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)"	Lorem Proin Aliquam Quisque Aliquam Vivamus Etiam Donec	-20	Proin
Checkbox	"=INPUT.CHECKBOX(E3)"	Lorem	123	Aliquam
Get Select List Value	"=INPUT.SELECTVAL(C3)"	4	123	Quisque
Get Radio List Value	"=INPUT.RADIOVAL(C4)"	Donec	4	Aliquam
Get Checkbox Value	"=INPUT.CHECKBOXVAL(C5)"	Lorem	534456	Vivamus
Detect if Checkbox is Checked	"=INPUT.ISCHECKED(C5)"	FALSE	3	Etiam
			1	Donec

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)