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
Create graphics and charts
View spreadsheet modification history
Save the spreadsheet data in another format
Load data from another data source
Modify the parameters of the spreadsheet
Deletes the spreadsheet

ADD ONE

Insert this code in a wiki page in order to have a 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.
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 let's start really using formulas (results in 0.03):

\[ \frac{(100 + 200)}{1000} \]

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

• Example of using simple variable in formula:

\[ =\text{variable\_name} \]

Variables can also have attributes:

• Example of using variable with attributes in formula:

\[ =\text{variable\_name.attribute} \]

• Example of using variable with math:

\[ \text{variable\_name} + \text{variable\_name} \text{.attribute} \]
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:

  =100 * variable_name
=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
<table>
<thead>
<tr>
<th>Function</th>
<th>Arguments</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABS</td>
<td>numbers_as_array</td>
</tr>
<tr>
<td>AVERAGE</td>
<td>values_as_array</td>
</tr>
<tr>
<td>CEILING</td>
<td>numbers_as_array</td>
</tr>
</tbody>
</table>
Example

"=ABS(F4)"

"=AVERAGE(F4:F14)"

"=CEILING(F4:F14)"
Result
62
46.92307692307692
6.21E+016
Additional Information

Synonym: ?AVG
<table>
<thead>
<tr>
<th>Sample #</th>
<th>Sample Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>Hello World</td>
</tr>
<tr>
<td>45</td>
<td>True</td>
</tr>
<tr>
<td>62</td>
<td>False</td>
</tr>
<tr>
<td>Function</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>COUNT</td>
<td>html_as_string</td>
</tr>
<tr>
<td>DAYSFROM</td>
<td>url_as_string</td>
</tr>
<tr>
<td>DOLLAR</td>
<td>numbers_as_array</td>
</tr>
<tr>
<td>FALSE</td>
<td></td>
</tr>
<tr>
<td>FIXED</td>
<td>number, decimals, noCommas?</td>
</tr>
<tr>
<td>FLOOR</td>
<td>numbers_as_array</td>
</tr>
<tr>
<td>HYPERLINK</td>
<td></td>
</tr>
<tr>
<td>IF</td>
<td>IF(logical_test, value_if_true, value_if_false)</td>
</tr>
<tr>
<td>IMG</td>
<td></td>
</tr>
</tbody>
</table>
"=COUNT(F2:F14)"

"=DAYSFROM(2009,4,15)"

"=DOLLAR(F13)"

"=IF(F4 < 100, TRUE(), FALSE())"

"=FIXED(F4+F14)"

"=FLOOR(F4-F5)"

"=HYPERLINK("http://www.jquery.com", "jQuery's website")"

"=IF(F12 < 100, TRUE(), FALSE())"

"=IMG("http://ui.jquery.com/images/logo.gif")"

"=MAX(F3:F13)"

"=MIN(F3:F13)"

"=N(F3)"

"=PI()"

"=TODAY()"

"=TRUE() || FALSE()"

"=SUM(F2:F13)"

"=ROUND(1.6)"

"=RAND()"
Two decimal places

Synonym: INT

Can have nested IF functions.

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
To High
To Low
Perfect
number
numbers_as_array
values_as_array
html_as_string
url_as_string
values
Cell Navigation
Left Arrow
Right Arrow
Up Arrow
Down Arrow
Escape
Enter
Ctrl + Enter
Tab
Result
Active cell moves left if possible.
Active cell moves right if possible.
Active cell moves up if possible.
Active cell moves down if possible.
Active cell is removed from focus.
Starts in-place edit / Active cell moves down if possible.
Ends in-place edit / Active cell moves down if possible.
Active cell moves right if possible.
Dependancy

jQuery.sheet.evt.cellClick()
jQuery.sheet.evt.cellClick()
jQuery.sheet.evt.cellClick()
jQuery.sheet.evt.cellClick()
jQuery.sheet.evt.cellClick()
jQuery.sheet.evt.cellEditAbandon()
jQuery.sheet.evt.formulaKeyDown()
jQuery.sheet.evt.formulaKeyDown()
jQuery.sheet.evt.formulaKeyDown()
jQuery.sheet.evt.cellClick()
Synonym

`jS.evt.cellClick()`

`jS.evt.cellClick()`

`jS.evt.cellClick()`

`jS.evt.cellClick()`

`jS.evt.cellEditAbandon()`

`jS.evt.formulaKeyDown()`

`jS.evt.formulaKeyDown()`

`jS.evt.formulaKeyDown()`

`jS.evt.cellClick()`

**Chart Type**

**Example**
Vertical Bar = BARCHART(D2:D13)

Horizontal Bar = HBARCHART(D2:D13)
<table>
<thead>
<tr>
<th>Date</th>
<th>Month</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Jan</td>
<td>2001</td>
</tr>
<tr>
<td>6</td>
<td>Feb</td>
<td>2002</td>
</tr>
</tbody>
</table>
Inputs are for capturing fixed data, such as a drop down list (INPUT.SELECT), or a checkbox (INPUT.CHECKBOX)

Input Type
Select List
Radio List
Checkbox
Get Select List Value
Get Radio List Value
Get Checkbox Value
Detect if Checkbox is Checked
Example

"=INPUT.SELECT(D3:D10)"

"=INPUT.RADIO(E3:E10)"

"=INPUT.CHECKBOX(E3)"

"=INPUT.SELECTVAL(C3)"

"=INPUT.RADIOVAL(C4)"

"=INPUT.CHECKBOXVAL(C5)"

"=INPUT.ISCHECKED(C5)"
Lorem Proin Aliquam Quisque Aliquam Vivamus Etiam
Donec
Lorem
4
Donec
Lorem
FALSE
<table>
<thead>
<tr>
<th>Data Number</th>
<th>Data String</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>Lorem</td>
</tr>
<tr>
<td>-20</td>
<td>Proin</td>
</tr>
<tr>
<td>123</td>
<td>Aliquam</td>
</tr>
<tr>
<td>123</td>
<td>Quisque</td>
</tr>
<tr>
<td>123</td>
<td>Aliquam</td>
</tr>
<tr>
<td>4</td>
<td>Aliquam</td>
</tr>
<tr>
<td>534456</td>
<td>Vivamus</td>
</tr>
<tr>
<td>3</td>
<td>Etiam</td>
</tr>
<tr>
<td>1</td>
<td>Donec</td>
</tr>
</tbody>
</table>
Arguments
number
number, number
number, number, number
number
num, precision
array
array
array
array
array
array
array
array
array
array
<table>
<thead>
<tr>
<th>Example</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>'=FACTORIAL(5)'</td>
<td>120</td>
</tr>
<tr>
<td>'=COMBINATION(7,5)'</td>
<td>21</td>
</tr>
<tr>
<td>'=PERMUTATION(7,5)'</td>
<td>2520</td>
</tr>
</tbody>
</table>
Sample Text
For the time being, see this external documentation page:
https://github.com/Spreadsheets/WickedGrid

See also:

<table>
<thead>
<tr>
<th>Chart Type</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Bar</td>
<td>&quot;=BARCHART(D2:D13)&quot;</td>
</tr>
</tbody>
</table>