Source Lines of Code

Tiki ships with approx 1M lines of code.

The Tiki project re-uses a lot of code from various external libraries so a quick guesstimate is that less than half of the code shipped in Tiki is maintained by the Tiki community and the rest is Standing on the shoulders of giants. For example, Zend Framework (which is bundled in Tiki) is 400k+ LOCs.

We always upstream patches when we find issues. There is a discussion on how to reduce disk space.

File count of the zip file

12.2

- Total: 14 803 Files, 1 979 Folders
- Included from other projects (/vendor & /vendor_extra): 7511 Files, 1316 Folders
- Maintained by the Tiki community: 7,292 Files, 663 Folders

CLOC

http://cloc.sourceforge.net/

12.0

These stats seems wrong (too low)

```
D:\cloc>cloc-1.60.exe tiki-12.0
4448 text files.
4009 unique files.
1786 files ignored.
```

```
http://cloc.sourceforge.net v 1.60  T=15.53 s (180.5 files/s, 39038.1 lines/s)

Language                     files   blank   comment   code
-------------------------------------------------------------------------------
PHP                     2059   51615   105234    308285
Javascript              128    6496    7153       44897
CSS                     139    9834    3275       42634
SQL                     424    1000    43         19112
XML                     26     26      2           1250
Bourne Shell            2      135    144         866
XSD                     8      125    108         755
Pascal                  2      171    1661        750
HTML                    12     80      23          374
ActionScript            1      7       12          51
ASP.Net                 2      0       0           22
-------------------------------------------------------------------------------
SUM:                      2803  69489  117655   418996
```

http://cloc.sourceforge.net
### 7.0

**D:\cloc>cloc-1.53.exe tiki-7.0.RC1**

8768 text files.
8354 unique files.
1265 files ignored.

http://cloc.sourceforge.net v 1.53  T=614.0 s (11.6 files/s, 2856.3 lines/s)

<table>
<thead>
<tr>
<th>Language</th>
<th>files</th>
<th>blank</th>
<th>comment</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHP</td>
<td>5197</td>
<td>110589</td>
<td>346616</td>
<td>756290</td>
</tr>
<tr>
<td>XML</td>
<td>526</td>
<td>820</td>
<td>34</td>
<td>239020</td>
</tr>
<tr>
<td>Javascript</td>
<td>712</td>
<td>20156</td>
<td>22145</td>
<td>129987</td>
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<td>CSS</td>
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<td>54734</td>
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<td>HTML</td>
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<td>XSD</td>
<td>12</td>
<td>197</td>
<td>74</td>
<td>1672</td>
</tr>
<tr>
<td>XSLT</td>
<td>6</td>
<td>176</td>
<td>46</td>
<td>800</td>
</tr>
<tr>
<td>ASP</td>
<td>1</td>
<td>129</td>
<td>347</td>
<td>479</td>
</tr>
<tr>
<td>Bourne Shell</td>
<td>2</td>
<td>33</td>
<td>26</td>
<td>170</td>
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<td>82</td>
</tr>
<tr>
<td>ASP.Net</td>
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<td>0</td>
<td>0</td>
<td>61</td>
</tr>
<tr>
<td>ActionScript</td>
<td>1</td>
<td>8</td>
<td>21</td>
<td>47</td>
</tr>
</tbody>
</table>

**SUM:** 7141 148575 378096 1227096

### 6.3

**D:\cloc>cloc-1.53.exe tiki-6.3**

8131 text files.
7804 unique files.
1208 files ignored.

http://cloc.sourceforge.net v 1.53  T=653.0 s (10.2 files/s, 2426.6 lines/s)

<table>
<thead>
<tr>
<th>Language</th>
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<th>blank</th>
<th>comment</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHP</td>
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<td>331078</td>
<td>706592</td>
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<td>XML</td>
<td>512</td>
<td>565</td>
<td>2</td>
<td>237210</td>
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<tr>
<td>Javascript</td>
<td>606</td>
<td>10802</td>
<td>11649</td>
<td>64287</td>
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<tr>
<td>CSS</td>
<td>205</td>
<td>9618</td>
<td>6456</td>
<td>49171</td>
</tr>
<tr>
<td>HTML</td>
<td>77</td>
<td>4263</td>
<td>1808</td>
<td>28444</td>
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<tr>
<td>SQL</td>
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<td>1001</td>
<td>86</td>
<td>12800</td>
</tr>
<tr>
<td>XSD</td>
<td>12</td>
<td>197</td>
<td>74</td>
<td>1672</td>
</tr>
<tr>
<td>XSLT</td>
<td>6</td>
<td>176</td>
<td>46</td>
<td>800</td>
</tr>
<tr>
<td>ASP</td>
<td>1</td>
<td>129</td>
<td>347</td>
<td>479</td>
</tr>
<tr>
<td>Bourne Shell</td>
<td>3</td>
<td>37</td>
<td>25</td>
<td>185</td>
</tr>
<tr>
<td>DTD</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>82</td>
</tr>
<tr>
<td>ASP.Net</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>61</td>
</tr>
<tr>
<td>ActionScript</td>
<td>1</td>
<td>8</td>
<td>21</td>
<td>47</td>
</tr>
</tbody>
</table>

**SUM:** 7141 148575 378096 1227096
3.8

D:\cloc>cloc-1.53.exe tikiwiki-3.8
6297 text files.
5978 unique files.
1087 files ignored.

http://cloc.sourceforge.net v 1.53  T=493.0 s (10.1 files/s, 3183.4 lines/s)

<table>
<thead>
<tr>
<th>Language</th>
<th>files</th>
<th>blank</th>
<th>comment</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHP</td>
<td>3537</td>
<td>86137</td>
<td>474385</td>
<td>547665</td>
</tr>
<tr>
<td>XML</td>
<td>485</td>
<td>150</td>
<td>147</td>
<td>204961</td>
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<tr>
<td>Javascript</td>
<td>563</td>
<td>17563</td>
<td>25267</td>
<td>95743</td>
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<tr>
<td>CSS</td>
<td>161</td>
<td>6479</td>
<td>3258</td>
<td>35348</td>
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<td>SQL</td>
<td>95</td>
<td>8151</td>
<td>308</td>
<td>29780</td>
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<tr>
<td>HTML</td>
<td>101</td>
<td>4170</td>
<td>1746</td>
<td>26088</td>
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<tr>
<td>XSLT</td>
<td>8</td>
<td>200</td>
<td>53</td>
<td>988</td>
</tr>
<tr>
<td>Bourne Shell</td>
<td>3</td>
<td>39</td>
<td>14</td>
<td>150</td>
</tr>
<tr>
<td>Perl</td>
<td>1</td>
<td>26</td>
<td>20</td>
<td>135</td>
</tr>
<tr>
<td>ColdFusion</td>
<td>1</td>
<td>24</td>
<td>23</td>
<td>101</td>
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<tr>
<td>XSD</td>
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<td>28</td>
<td>28</td>
<td>98</td>
</tr>
<tr>
<td>DTD</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>82</td>
</tr>
<tr>
<td>ActionScript</td>
<td>1</td>
<td>8</td>
<td>21</td>
<td>47</td>
</tr>
</tbody>
</table>

SUM:                          4959        122975        505270        941186

Zend Framework

This is

D:\cloc>cloc-1.53.exe tiki-6.3	iki-6.3\lib\core\Zend
2736 text files.
2736 unique files.
9 files ignored.

http://cloc.sourceforge.net v 1.53  T=232.0 s (11.8 files/s, 2933.1 lines/s)

<table>
<thead>
<tr>
<th>Language</th>
<th>files</th>
<th>blank</th>
<th>comment</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XML</td>
<td>475</td>
<td>188</td>
<td>0</td>
<td>233973</td>
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<tr>
<td>PHP</td>
<td>2244</td>
<td>44310</td>
<td>200648</td>
<td>200024</td>
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<tr>
<td>XSD</td>
<td>5</td>
<td>108</td>
<td>6</td>
<td>1058</td>
</tr>
<tr>
<td>SQL</td>
<td>3</td>
<td>36</td>
<td>57</td>
<td>71</td>
</tr>
</tbody>
</table>

SUM:                          2727        44642        200711        435126
1.9.11
First release of the 1.9.x series: 2005-04

phploc of Tiki 1.9.11
$ php phploc.phar tikiwiki-1.9.11/
phploc 1.7.1 by Sebastian Bergmann.

Directories: 270
Files: 1414

Lines of Code (LOC): 454555
Cyclomatic Complexity / Lines of Code: 0.14
Comment Lines of Code (CLOC): 232297
Non-Comment Lines of Code (NCLOC): 222258

Namespaces: 0
Interfaces: 0
Traits: 0
Classes: 475
  Abstract: 0 (0.00%)
  Concrete: 475 (100.00%)
Average Class Length (NCLOC): 237
Methods: 5627
  Non-Static: 5627 (100.00%)
  Static: 0 (0.00%)
Visibility:
  Public: 5626 (99.98%)
  Non-Public: 1 (0.02%)
Average Method Length (NCLOC): 20
Cyclomatic Complexity / Number of Methods: 4.01

Anonymous Functions: 3
Functions: 634

Constants: 498
  Global constants: 498
  Class constants: 0

2.4
First release of the 2.x series: 2008-08

phploc of Tiki 2.4
$ php phploc.phar tikiwiki-2.4/
phploc 1.7.1 by Sebastian Bergmann.
Directories: 403
Files: 2017

Lines of Code (LOC): 685005
  Cyclomatic Complexity / Lines of Code: 0.21
Comment Lines of Code (CLOC): 433053
Non-Comment Lines of Code (NCLOC): 251952

Namespaces: 0
Interfaces: 1
Traits: 0
Classes: 1021
  Abstract: 7 (0.69%)
  Concrete: 1014 (99.31%)
  Average Class Length (NCLOC): 199
Methods: 9485
  Scope:
    Non-Static: 9461 (99.75%)
    Static: 24 (0.25%)
  Visibility:
    Public: 9219 (97.20%)
    Non-Public: 266 (2.80%)
  Average Method Length (NCLOC): 21
Cyclomatic Complexity / Number of Methods: 4.53

Anonymous Functions: 4
Functions: 1005

Constants: 1041
  Global constants: 953
  Class constants: 88

3.9
First release of the 3.x series: 2009-05

**phploc of Tiki 3.9**

```bash
$ php phploc.phar tikiwiki-3.9/
phploc 1.7.1 by Sebastian Bergmann.
```

Directories: 707
Files: 3607

Lines of Code (LOC): 1108169
  Cyclomatic Complexity / Lines of Code: 0.22
Comment Lines of Code (CLOC): 764386
Non-Comment Lines of Code (NCLOC): 343783

Namespaces: 0
Interfaces: 58
Traits: 0
Classes: 2573
  Abstract: 138 (5.36%)
Concrete: 2435 (94.64%)
Average Class Length (NCLOC): 148
Methods: 20287
Scope:
  Non-Static: 19484 (96.04%)
  Static: 803 (3.96%)
Visibility:
  Public: 17835 (87.91%)
  Non-Public: 2452 (12.09%)
Average Method Length (NCLOC): 18
Cyclomatic Complexity / Number of Methods: 3.68
Anonymous Functions: 3
Functions: 1200
Constants: 4244
  Global constants: 950
  Class constants: 3294

4.3
First release of the 4.x series: 2009-11

phloc of Tiki 4.3
$ php phloc.phar tikiwiki-4.3/
phploc 1.7.1 by Sebastian Bergmann.

Directories: 826
Files: 4275

Lines of Code (LOC): 1285693
  Cyclomatic Complexity / Lines of Code: 0.23
Comment Lines of Code (CLOC): 923936
Non-Comment Lines of Code (NCLOC): 361757

Namespaces: 0
Interfaces: 107
Traits: 0
Classes: 3304
  Abstract: 184 (5.57%)
  Concrete: 3120 (94.43%)
Average Class Length (NCLOC): 135
Methods: 24378
Scope:
  Non-Static: 23267 (95.44%)
  Static: 1111 (4.56%)
Visibility:
  Public: 21147 (86.75%)
  Non-Public: 3231 (13.25%)
Average Method Length (NCLOC): 18
Cyclomatic Complexity / Number of Methods: 3.55
Anonymous Functions: 3
5.4
First release of the 5.x series: 2010-06

phloc of Tiki 5.4

$ php phploc.phar tiki-5.4/
phploc 1.7.1 by Sebastian Bergmann.

Directories: 1011
Files: 5133

Lines of Code (LOC): 1110368
  Cyclomatic Complexity / Lines of Code: 0.12
Comment Lines of Code (CLOC): 378203
Non-Comment Lines of Code (NCLOC): 732165

Namespaces: 0
Interfaces: 136
Traits: 0
Classes: 3914
  Abstract: 229 (5.85%)
  Concrete: 3685 (94.15%)
  Average Class Length (NCLOC): 130
Methods: 28069
  Scope:
    Non-Static: 26671 (95.02%)
    Static: 1398 (4.98%)
  Visibility:
    Public: 23927 (85.24%)
    Non-Public: 4142 (14.76%)
  Average Method Length (NCLOC): 18
  Cyclomatic Complexity / Number of Methods: 3.48

Anonymous Functions: 3
Functions: 1724

Constants: 5067
  Global constants: 1002
  Class constants: 4065

6.8
First release of the 6.x series: 2010-11

phloc of Tiki 6.8

$ php phploc.phar tiki-6.8/
<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directories</td>
<td>1018</td>
</tr>
<tr>
<td>Files</td>
<td>5461</td>
</tr>
<tr>
<td>Lines of Code (LOC):</td>
<td>1221220</td>
</tr>
<tr>
<td>Comment Lines of Code (CLOC):</td>
<td>402302</td>
</tr>
<tr>
<td>Non-Comment Lines of Code (NCLOC):</td>
<td>818918</td>
</tr>
<tr>
<td>Namespaces</td>
<td>0</td>
</tr>
<tr>
<td>Interfaces</td>
<td>158</td>
</tr>
<tr>
<td>Traits</td>
<td>0</td>
</tr>
<tr>
<td>Classes</td>
<td>4251</td>
</tr>
<tr>
<td>Abstract</td>
<td>236 (5.55%)</td>
</tr>
<tr>
<td>Concrete</td>
<td>4015 (94.45%)</td>
</tr>
<tr>
<td>Average Class Length (NCLOC):</td>
<td>128</td>
</tr>
<tr>
<td>Methods</td>
<td>29608</td>
</tr>
<tr>
<td>Non-Static</td>
<td>28100 (94.91%)</td>
</tr>
<tr>
<td>Static</td>
<td>1508 (5.09%)</td>
</tr>
<tr>
<td>Visibility</td>
<td></td>
</tr>
<tr>
<td>Public</td>
<td>25226 (85.20%)</td>
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<tr>
<td>Non-Public</td>
<td>4382 (14.80%)</td>
</tr>
<tr>
<td>Average Method Length (NCLOC):</td>
<td>18</td>
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<tr>
<td>Cyclomatic Complexity / Number of Methods:</td>
<td>3.49</td>
</tr>
<tr>
<td>Anonymous Functions</td>
<td>5</td>
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<td>Functions</td>
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<td>Constants</td>
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<td>965</td>
</tr>
<tr>
<td>Class constants</td>
<td>4701</td>
</tr>
</tbody>
</table>

7.2
First release of the 7.x series: 2011-06

```
$ php phloc.phar tiki-7.2
phloc 1.7.1 by Sebastian Bergmann.

Directories: 1018
Files: 5461
Lines of Code (LOC): 1221220
    Cyclomatic Complexity / Lines of Code: 0.12
Comment Lines of Code (CLOC): 402302
Non-Comment Lines of Code (NCLOC): 818918
Namespaces: 0
Interfaces: 158
Traits: 0
```
8.5
First release of the 8.x series: 2011-11

$ php phplc.phar tiki-8.5/
phplc 1.7.1 by Sebastian Bergmann.

Directories: 1038
Files: 5647

Lines of Code (LOC): 1184504
  Cyclomatic Complexity / Lines of Code: 0.13
Comment Lines of Code (CLOC): 403479
Non-Comment Lines of Code (NCLOC): 781025

Namespaces: 0
Interfaces: 163
Traits: 0
Classes: 4596
  Abstract: 252 (5.48%)
  Concrete: 4344 (94.52%)
Average Class Length (NCLOC): 125
Methods: 31696
  Scope:
    Non-Static: 30006 (94.67%)
    Static: 1690 (5.33%)
Visibility:
  Public: 26785 (84.51%)
  Non-Public: 4911 (15.49%)
Average Method Length (NCLOC): 18
Cyclomatic Complexity / Number of Methods: 3.40
9.2

First release of the 9.x series: 2012-06

phplc of Tiki 9.2

$ php phplc.phar tiki-9.2/
phploc 1.7.1 by Sebastian Bergmann.

Directories: 1160
Files: 6163

Lines of Code (LOC): 1281719
  Cyclomatic Complexity / Lines of Code: 0.13
  Comment Lines of Code (CLOC): 436256
  Non-Comment Lines of Code (NCLOC): 845463

Namespaces: 0
Interfaces: 172
Traits: 0
Classes: 4780
  Abstract: 275 (5.75%)
  Concrete: 4505 (94.25%)
  Average Class Length (NCLOC): 131
Methods: 33470
  Scope: 31594 (94.39%)
    Static: 1876 (5.61%)
  Visibility:
    Public: 28188 (84.22%)
    Non-Public: 5282 (15.78%)
  Average Method Length (NCLOC): 18
  Cyclomatic Complexity / Number of Methods: 3.44

Anonymous Functions: 3
Functions: 1885

Constants: 6021
  Global constants: 980
  Class constants: 5041

phplc of Zend Framework in Tiki 9.2

$ php phplc.phar tiki-9.2/lib/core/Zend/
phploc 1.7.1 by Sebastian Bergmann.
Directories: 495
Files: 2379

Lines of Code (LOC): 470465
  Cyclomatic Complexity / Lines of Code: 0.11
Comment Lines of Code (CLOC): 219665
Non-Comment Lines of Code (NCLOC): 250800

Namespaces: 0
Interfaces: 119
Traits: 0
Classes: 2258
  Abstract: 194 (8.59%)
  Concrete: 2064 (91.41%)
  Average Class Length (NCLOC): 114
Methods: 15714
  Scope:
    Non-Static: 14619 (93.03%)
    Static: 1095 (6.97%)
Visibility:
  Public: 12401 (78.92%)
  Non-Public: 3313 (21.08%)
  Average Method Length (NCLOC): 16
Cyclomatic Complexity / Number of Methods: 2.80
Anonymous Functions: 2
Functions: 0

Constants: 3767
  Global constants: 2
  Class constants: 3765

---

12.0

**phplint of Tiki 12.0**

phplint$ php phplint.phar tiki-12.0
phplint 2.0.4 by Sebastian Bergmann.

Directories 1467
Files 7670

Size
  Lines of Code (LOC) 1566541
  Comment Lines of Code (CLOC) 466975 (29.81%)
  Non-Comment Lines of Code (NCLOC) 1099566 (70.19%)
  Logical Lines of Code (LLOC) 322113 (20.56%)
  Classes 261551 (81.20%)
    Average Class Length 39
    Average Method Length 6
  Functions 24440 (7.59%)
    Average Function Length 10
  Not in classes or functions 36122 (11.21%)
### Complexity

<table>
<thead>
<tr>
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<th>Value (Percentage)</th>
</tr>
</thead>
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<tr>
<td>Cyclomatic Complexity / LLOC</td>
<td>0.39</td>
</tr>
<tr>
<td>Cyclomatic Complexity / Number of Methods</td>
<td>3.35</td>
</tr>
</tbody>
</table>

### Dependencies

<table>
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<th>Value (Percentage)</th>
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</thead>
<tbody>
<tr>
<td>Global Accesses</td>
<td>26023</td>
</tr>
<tr>
<td>Global Constants</td>
<td>6460 (24.82%)</td>
</tr>
<tr>
<td>Global Variables</td>
<td>4284 (16.46%)</td>
</tr>
<tr>
<td>Super-Global Variables</td>
<td>15279 (58.71%)</td>
</tr>
<tr>
<td>Attribute Accesses</td>
<td>97255</td>
</tr>
<tr>
<td>Non-Static</td>
<td>94385 (97.05%)</td>
</tr>
<tr>
<td>Static</td>
<td>2870 (2.95%)</td>
</tr>
<tr>
<td>Method Calls</td>
<td>121237</td>
</tr>
<tr>
<td>Non-Static</td>
<td>107572 (88.73%)</td>
</tr>
<tr>
<td>Static</td>
<td>13665 (11.27%)</td>
</tr>
</tbody>
</table>

### Structure

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value (Percentage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Namespaces</td>
<td>32</td>
</tr>
<tr>
<td>Interfaces</td>
<td>248</td>
</tr>
<tr>
<td>Traits</td>
<td>0</td>
</tr>
<tr>
<td>Classes</td>
<td>6606</td>
</tr>
<tr>
<td>Abstract Classes</td>
<td>447 (6.77%)</td>
</tr>
<tr>
<td>Concrete Classes</td>
<td>6159 (93.23%)</td>
</tr>
<tr>
<td>Methods</td>
<td>42230</td>
</tr>
<tr>
<td>Non-Static Methods</td>
<td>39999 (94.72%)</td>
</tr>
<tr>
<td>Static Methods</td>
<td>2231 (5.28%)</td>
</tr>
<tr>
<td>Visibility</td>
<td></td>
</tr>
<tr>
<td>Public Method</td>
<td>37453 (88.69%)</td>
</tr>
<tr>
<td>Non-Public Methods</td>
<td>4777 (11.31%)</td>
</tr>
<tr>
<td>Functions</td>
<td>2422</td>
</tr>
<tr>
<td>Named Functions</td>
<td>2213 (91.37%)</td>
</tr>
<tr>
<td>Anonymous Functions</td>
<td>209 (8.63%)</td>
</tr>
<tr>
<td>Constants</td>
<td>7637</td>
</tr>
<tr>
<td>Global Constants</td>
<td>1092 (14.30%)</td>
</tr>
<tr>
<td>Class Constants</td>
<td>6545 (85.70%)</td>
</tr>
</tbody>
</table>

### Nice to have

- A graphical representation of LOCs over time, with some dots for releases
  - Overlay of number of active devs and commit stats would be nice... (data could be taken from Ohloh...)
  - Also, number of prefs, modules and plugins, where we'll perhaps see the rate of new features vs refinement of features.

### Related

- [https://www.openhub.net/p/tikiwiki/analyses/latest/languages_summary](https://www.openhub.net/p/tikiwiki/analyses/latest/languages_summary)
  - The Ohloh stats are way off from the real stats.
    - There is a known issue with branches on Ohloh where if you use SVN, either your commit
stats will be incorrect, or you LoC count is off. We chose the later.
- Untranslated strings are managed in SVN by a script to make it easier for translators to know what to translate, but these are removed at release time to keep the downloads smaller. This artificially boosts the LoC but it's not real work to maintain.

- Tiki Software and Community Dashboard

alias

- SLoC
- CLoC
- LoC
- LoCs
- Lines of Source Code