

## TS (and JS)

Note: (Brew install cloc)

DB: <https://github.com/typeorm/typeorm>

<i>github.com/AlDanial/cloc v 1.96 T=123.00 s (24.0 files/s, 2419.0 lines/s)</i>				
<i>Language</i>	<i>files</i>	<i>blank</i>	<i>comment</i>	<i>code</i>
<i>TypeScript</i>	<b>2806</b>	<b>29686</b>	<b>57853</b>	<b>163152</b>
<i>Markdown</i>	<b>109</b>	<b>7775</b>	<b>26</b>	<b>23313</b>
<i>JSON</i>	<b>18</b>	<b>1</b>	<b>0</b>	<b>14322</b>
<i>YAML</i>	<b>11</b>	<b>31</b>	<b>62</b>	<b>618</b>
<i>JavaScript</i>	<b>4</b>	<b>107</b>	<b>55</b>	<b>409</b>
<i>Bourne Shell</i>	<b>4</b>	<b>17</b>	<b>3</b>	<b>71</b>
<i>Dockerfile</i>	<b>1</b>	<b>5</b>	<b>0</b>	<b>13</b>
<i>XML</i>	<b>1</b>	<b>0</b>	<b>0</b>	<b>9</b>
<b>SUM:</b>	<b>2954</b>	<b>37622</b>	<b>57999</b>	<b>201907</b>

<https://github.com/prisma/prisma>

<b>2154</b> text files.				
<b>1420</b> unique files.				
<b>820</b> files ignored.				
<i>github.com/AlDanial/cloc v 1.96 T=5.21 s (272.6 files/s, 29218.0 lines/s)</i>				
<i>Language</i>	<i>files</i>	<i>blank</i>	<i>comment</i>	<i>code</i>
<i>TypeScript</i>	<b>1205</b>	<b>14947</b>	<b>7718</b>	<b>107187</b>
<i>YAML</i>	<b>22</b>	<b>1890</b>	<b>181</b>	<b>13872</b>
<i>JSON</i>	<b>74</b>	<b>7</b>	<b>0</b>	<b>1852</b>
<i>JavaScript</i>	<b>40</b>	<b>215</b>	<b>222</b>	<b>1401</b>
<i>Markdown</i>	<b>34</b>	<b>543</b>	<b>5</b>	<b>1257</b>
<i>SQL</i>	<b>21</b>	<b>46</b>	<b>63</b>	<b>395</b>
<i>Bourne Shell</i>	<b>10</b>	<b>54</b>	<b>72</b>	<b>130</b>
<i>diff</i>	<b>1</b>	<b>15</b>	<b>53</b>	<b>34</b>
<i>Dockerfile</i>	<b>4</b>	<b>8</b>	<b>15</b>	<b>15</b>
<i>DOS Batch</i>	<b>5</b>	<b>0</b>	<b>0</b>	<b>10</b>
<i>PowerShell</i>	<b>1</b>	<b>2</b>	<b>0</b>	<b>6</b>
<i>TOML</i>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>
<i>Text</i>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>SUM:</b>	<b>1420</b>	<b>17727</b>	<b>8331</b>	<b>126162</b>

<https://github.com/Automattic/mongoose.git>

```
656 text files.
647 unique files.
43 files ignored.
```

[github.com/AlDanial/cloc v 1.96 T=7.15 s \(90.5 files/s, 24676.9 lines/s\)](https://github.com/AlDanial/cloc)

Language	files	blank	comment	code
JavaScript	459	21764	19584	97729
Markdown	66	3500	4	15226
TypeScript	58	1907	3381	7528
JSON	17	0	0	2478
CSS	8	165	18	1469
Pug	11	90	0	784
YAML	21	69	16	600
SVG	5	0	0	67
HTML	1	1	0	8
XML	1	0	0	2
<b>SUM:</b>	<b>647</b>	<b>27496</b>	<b>23003</b>	<b>125891</b>

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Language:

<https://github.com/microsoft/TypeScript.git>

Language	files	blank	comment	code
JavaScript	12960	141863	225229	1839315
TypeScript	18224	101903	767433	665456
Text	577	34450	0	330865
XML	13	0	0	225325
JSON	1241	134	0	87246
YAML	17	92	44	574
Markdown	18	282	96	553
Dockerfile	12	2	21	153
Bourne Shell	1	0	0	2
<b>SUM:</b>	<b>38263</b>	<b>278728</b>	<b>992822</b>	<b>3129539</b>

<https://github.com/TypeStrong/ts-node.git>

```
469 text files.
394 unique files.
88 files ignored.
```

[github.com/AlDanial/cloc v 1.96 T=0.38 s \(1031.1 files/s, 91484.1 lines/s\)](https://github.com/AlDanial/cloc)

Language	files	blank	comment	code
JavaScript	98	1421	1735	12082
TypeScript	133	1302	1692	9959
Markdown	48	1119	158	2869
JSON	92	29	0	1299
SVG	6	0	26	701
YAML	7	13	22	213
Bourne Shell	3	35	26	81
CSS	3	16	34	81
HTML	1	1	0	18
JSX	2	3	0	15
XML	1	0	0	9
<b>SUM:</b>	<b>394</b>	<b>3939</b>	<b>3693</b>	<b>27327</b>

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Frontend: <https://github.com/angular/angular.git>

<pre>8711 text files. 7964 unique files. 1382 files ignored.  4 errors: Line count, exceeded timeout: ./packages/common/http/src/xhr.ts Line count, exceeded timeout: ./packages/common/http/test/xhr_spec.ts Line count, exceeded timeout: ./packages/compiler/test/render3/view/i18n_spec.ts Line count, exceeded timeout: ./packages/service-worker/worker/test/happy_spec.ts</pre>				
<pre>github.com/Aldanial/cloc v 1.96  T=20.10 s (396.2 files/s, 49517.1 lines/s)</pre>				
Language	files	blank	comment	code
TypeScript	4345	78275	103804	418701
JavaScript	966	26485	31838	145230
Markdown	498	28063	1293	61372
JSON	520	62	0	38731
Starlark	602	2353	1845	17069
HTML	540	1939	1190	11942
YAML	112	210	560	5874
SCSS	126	1062	218	5853
CSS	121	981	151	5114
SVG	53	9	13	1266
Bourne Shell	31	268	287	967
Text	17	34	0	683
XML	10	6	0	291
diff	9	42	250	256
Bazel	1	33	34	148
Pascal	1	40	130	109
PlantUML	7	20	0	98
Windows Resource File	3	11	0	41
Protocol Buffers	1	9	27	15
INI	1	4	0	10
<b>SUM:</b>	<b>7964</b>	<b>139906</b>	<b>141640</b>	<b>713770</b>

Bazel and startark:

- Installing: <https://bazel.build/install>
- Bazel is a free software tool used for the automation of building and testing software. The company Google uses the build tool Blaze internally and released an open-sourced port of the Blaze tool as Bazel, named as an anagram of Blaze. Bazel was first released in March 2015 and achieved beta status by September 2015. [Wikipedia](#)
- Starlark is a dialect of Python intended for use as a configuration language. The language is developed by Google for the Bazel build tool.

Starlark Language Specification.

- <https://github.com/bazelbuild/starlark>
- <https://bazel.build/rules/language>

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Backend:

<https://github.com/nestjs/nest>

```
2007 text files.
1595 unique files.
413 files ignored.
```

[github.com/AlDanial/cloc v 1.96 T=3.68 s \(433.7 files/s, 181760.4 lines/s\)](https://github.com/AlDanial/cloc)

Language	files	blank	comment	code
[JSON	129	0	0	579065
TypeScript	1375	8878	5908	71720
[Markdown	26	390	42	816
[YAML	16	86	42	638
JavaScript	15	15	25	271
GraphQL	8	34	17	163
Protocol Buffers	12	27	0	93
Text	1	12	0	76
HTML	4	3	0	60
SVG	1	0	0	43
Bourne Shell	7	7	8	23
[Handlebars	1	3	0	10
<b>SUM:</b>	<b>1595</b>	<b>9455</b>	<b>6042</b>	<b>652978</b>

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ML:

<https://github.com/machinelearnjs/machinelearnjs.git>

Language	files	blank	comment	code
JSON	9	11	0	26239
TypeScript	108	1080	2843	8593
CSV	3	0	0	959
Markdown	8	179	3	353
Handlebars	4	27	0	138
JavaScript	3	6	0	113
Bourne Shell	5	34	35	111
YAML	2	14	14	65
Stylus	1	8	7	33
Dockerfile	1	5	3	14
XML	1	0	0	2
<b>SUM:</b>	<b>145</b>	<b>1364</b>	<b>2905</b>	<b>36620</b>

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Testing:

Unit testing:

<https://github.com/facebook/jest.git>

UI testing:

<https://github.com/cypress-io/cypress.git>

github.com/AlDanial/cloc v 1.96 T=59.91 s (87.1 files/s, 10827.8 lines/s)				
Language	files	blank	comment	code
TypeScript	1695	40563	27556	176212
JavaScript	1609	39472	21249	148287
JSON	432	52	0	68340
diff	18	49	378	45640
Vuejs Component	319	2677	647	22835
HTML	382	1483	89	18080
Markdown	196	4426	102	7795
SCSS	42	752	333	3944
YAML	24	229	202	3683
JSX	181	698	355	3632
GraphQL	2	740	1526	1555
Text	15	1135	0	1508
SVG	221	1	0	1064
CSS	31	115	2	746
Bourne Shell	10	65	18	177
Svelte	8	26	0	142
CoffeeScript	22	13	3	76
EJS	5	7	0	41
XML	1	0	0	12
CSV	3	0	0	9
<b>SUM:</b>	<b>5216</b>	<b>92503</b>	<b>52460</b>	<b>503778</b>

<https://github.com/mochajs/mocha>

- liquid

github.com/AlDanial/cloc v 1.96 T=5.60 s (83.2 files/s, 16346.6 lines/s)				
Language	files	blank	comment	code
JSON	13	0	0	42794
JavaScript	402	4360	6603	28845
Markdown	21	1876	48	4066
CSS	5	224	173	964
SVG	6	3	4	485
HTML	3	0	0	476
YAML	10	10	19	415
liquid	1	8	1	141
TOML	1	4	8	10
CoffeeScript	3	2	0	8
TypeScript	1	0	1	1
<b>SUM:</b>	<b>466</b>	<b>6487</b>	<b>6857</b>	<b>78205</b>

<https://github.com/puppeteer/puppeteer.git>

```
github.com/AlDanial/cloc v 1.96 T=7.41 s (161.6 files/s, 17299.9 lines/s)
```

Language	files	blank	comment	code
TypeScript	217	4562	11130	41640
JSON	52	20	0	41450
Markdown	762	6793	10	16747
JavaScript	66	206	637	2427
YAML	12	50	25	988
HTML	67	51	0	954
CSS	11	31	17	187
Text	4	18	0	130
Bourne Shell	4	9	2	17
Dockerfile	1	6	4	17
SVG	1	0	0	1
<b>SUM:</b>	<b>1197</b>	<b>11746</b>	<b>11825</b>	<b>104558</b>

Linters:

<https://github.com/eslint/eslint>

- Note: **Nunjucks** is a full featured templating engine for javascript. It is heavily inspired by **jinja2**. View the docs [here](#).  
(.liquid, .njk, .ejs etc are templates. The packages used to render them are called templating engines).  
(File extension for Nunjucks template : .njk)  
(Install: npm install nunjucks)

```
github.com/AlDanial/cloc v 1.96 T=3.54 s (537.1 files/s, 146886.2 lines/s)
```

Language	files	blank	comment	code
JavaScript	1252	30820	53259	355062
Markdown	394	19394	39	48522
JSON	73	18	0	6946
SCSS	33	524	34	2842
HTML	34	109	16	1118
YAML	46	81	121	1037
Text	6	94	0	327
EJS	2	55	0	130
<b>Nunjucks</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>65</b>
SVG	57	0	0	57
Bourne Shell	1	4	5	9
JSX	2	0	0	2
<b>SUM:</b>	<b>1904</b>	<b>51099</b>	<b>53474</b>	<b>416117</b>

<https://github.com/jslint-org/jslint.git>

`github.com/AlDanial/cloc v 1.96 T=0.16 s (161.1 files/s, 311386.6 lines/s)`

Language	files	blank	comment	code
JavaScript	6	2911	3923	18121
JSON	2	0	0	17916
Bourne Shell	2	116	235	3439
HTML	3	170	6	1779
Markdown	5	299	14	931
YAML	3	6	40	145
SVG	4	2	1	142
<i>vim script</i>	1	5	40	10
<b>SUM:</b>	<b>26</b>	<b>3509</b>	<b>4259</b>	<b>42483</b>

<https://github.com/typescript-eslint/typescript-eslint.git>

`github.com/AlDanial/cloc v 1.96 T=3.70 s (653.6 files/s, 65973.5 lines/s)`

Language	files	blank	comment	code
TypeScript	1992	11075	10643	180835
Markdown	214	11488	253	21163
JSON	96	5	0	2780
JavaScript	50	268	200	2228
CSS	20	216	15	1239
YAML	22	68	65	1228
SVG	12	0	1	119
<i>Vuejs Component</i>	4	4	8	112
JSON5	1	2	11	66
TOML	1	9	2	31
diff	3	1	44	31
Bourne Shell	3	2	7	10
XML	1	0	0	10
Dockerfile	1	4	3	8
<b>SUM:</b>	<b>2420</b>	<b>23142</b>	<b>11252</b>	<b>209860</b>

- diff files are config files which usually have file extension of .diff or .patch .

Reference: <https://www.lifewire.com/diff-file-2620661>

- Bourne shell is bash

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Templating engines:

Ejs: <https://github.com/mde/ejs.git>

<https://ejs.co/#install> (npm

install ejs)

(File extension: .ejs)

```
github.com/AlDanial/cloc v 1.96 T=0.17 s (591.8 files/s, 69705.6 lines/s)
```

Language	files	blank	comment	code
JSON	6	0	0	6887
JavaScript	12	362	543	2373
Markdown	6	329	0	937
HTML	24	39	19	232
EJS	50	13	1	213
YAML	2	5	0	35
Text	1	2	0	22
CSS	1	0	0	3
<b>SUM:</b>	<b>102</b>	<b>750</b>	<b>563</b>	<b>10702</b>

Liquidjs: <https://github.com/harttle/liquidjs.git>

(.liquid is a template file)

npm install liquidjs (File

extension: .liquid)

*github.com/AlDanial/cloc v 1.96 T=0.93 s (568.1 files/s, 84133.8 lines/s)*

<i>Language</i>	<i>files</i>	<i>blank</i>	<i>comment</i>	<i>code</i>
<i>JSON</i>	28	0	0	49313
<i>TypeScript</i>	203	824	219	11724
<i>Markdown</i>	192	3554	25	8737
<i>JavaScript</i>	37	205	77	1215
<i>Stylus</i>	11	102	7	987
<i>YAML</i>	11	21	2	441
<i>liquid</i>	18	13	1	189
<i>CSS</i>	5	8	3	117
<i>Bourne Shell</i>	6	20	6	91
<i>Pug</i>	4	0	0	68
<i>JSX</i>	1	4	1	52
<i>HTML</i>	7	6	20	48
<i>Handlebars</i>	1	2	0	42
<i>SVG</i>	2	0	0	34
<i>XML</i>	1	0	0	12
<i>Text</i>	1	0	0	1
<b>SUM:</b>	<b>528</b>	<b>4759</b>	<b>361</b>	<b>73071</b>

## Stylus

<https://github.com/stylus/stylus.git>

(.styl is a styling file) npm install stylus

(File extension: .styl)

*github.com/AlDanial/cloc v 1.96 T=0.85 s (1184.3 files/s, 62278.8 lines/s)*

<i>Language</i>	<i>files</i>	<i>blank</i>	<i>comment</i>	<i>code</i>
<i>CSS</i>	356	41	152	9800
<i>JavaScript</i>	142	2259	5373	8931
<i>Stylus</i>	432	2017	390	7906
<i>Markdown</i>	45	2180	32	6100
<i>JSON</i>	9	0	0	5337
<i>SVG</i>	5	4	1	982
<i>XML</i>	6	35	9	782
<i>TypeScript</i>	7	36	24	507
<i>YAML</i>	4	7	7	120
<i>Vuejs Component</i>	2	3	4	42
<i>make</i>	1	8	0	24
<i>Text</i>	1	0	0	2
<b>SUM:</b>	<b>1010</b>	<b>6590</b>	<b>5992</b>	<b>40533</b>

## Pug

<https://github.com/pugjs/pug.git> (.pug is a

template file)

```
npm install pug  
(File extension: .pug)
```

github.com/AlDanial/cloc v 1.96 T=0.49 s (1431.0 files/s, 50333.3 lines/s)				
Language	files	blank	comment	code
JSON	175	0	0	8545
JavaScript	69	905	909	8070
Markdown	31	701	8	1826
Pug	293	314	47	1631
HTML	116	42	28	857
TypeScript	2	49	2	371
YAML	5	17	1	113
CSS	1	0	0	5
Stylus	2	0	0	3
CoffeeScript	1	0	0	2
<b>SUM:</b>	<b>695</b>	<b>2028</b>	<b>995</b>	<b>21423</b>

Handlebars (hybrid)

(.handlebars is a template file)

npm install handlebars (File  
extension: .handlebars)

Nunjucks (hybrid)

- Note: **Nunjucks** is a full featured templating engine for javascript. It is heavily inspired by **jinja2**. View the docs [here](#).

(.liquid, .njk, .ejs etc are templates. The packages used to render them are called templating engines).

(File extension for Nunjucks template : .njk)

(Install: npm install nunjucks)

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