| AutoMap CodeHul corefx                         |   | dapper-d EntityFra ILSpy   |  | mono  | nono MonoGa msbuild  |  | Mvc   | Nancy NecroBo Ne   |   | Newtons  |  |  |
|--|---|--|--|---|--|--|---|--|---|--|--|--|
| 2260   | 444   | 23292  | 281  | 5108  | 846  | 1387   | 1260  | 1310   | 2545  | 1042   | 147  | 1114   |
| 654  | 288   | 5580   | 68   | 1271  | 336  | 250  | 564   | 424  | 781   | 323  | 8  | 500  |
| 28.9%  | 64.9%   | 24.0%  | 24.2%  | 24.9%   | 39.7%  | 18.0%  | 44.8%   | 32.4%  | 30.7%   | 31.0%  | 5.4%   | 44.9%  |
| 642  | 43  | 5243   | 7  | 439   | 74   | 167  | 93  | 98   | 163   | 41   | 0  | 79   |
| 28.4%  | 9.7%  | 22.5%  | 2.5%   | 8.6%  | 8.7%   | 12.0%  | 7.4%  | 7.5%   | 6.4%  | 3.9%   | 0.0%   | 7.1%   |
| 4  | 8   | 91   | 0  | 10  | 7  | 2  | 52  | 14   | 2   | 41   | 2  | 0  |
| 0.18%  | 1.80%   | 0.39%  | 0.00%  | 0.20%   | 0.83%  | 0.14%  | 4.13%   | 1.07%  | 0.08%   | 3.93%  | 1.36%  | 0.00%  |
| 2098   | 1023  | 75298  | 686  | 13159   | 3107   | 3377   | 4550  | 8426   | 8331  | 4338   | 300  | 3180   |
| 8  | 39  | 3110   | 26   | 4491  | 51   | 60   | 67  | 49   | 360   | 131  | 0  | 69   |
| 0.38%  | 3.81%   | 4.13%  | 3.79%  | 34.13%  | 1.64%  | 1.78%  | 1.47%   | 0.58%  | 4.32%   | 3.02%  | 0.00%  | 2.17%  |
| 349  | 383   | 8321   | 35   | 2800  | 576  | 78   | 914   | 354  | 411   | 369  | 16   | 418  |
| 16.63%   | 37.44%  | 11.05%   | 5.10%  | 21.28%  | 18.54%   | 2.31%  | 20.09%  | 4.20%  | 4.93%   | 8.51%  | 5.33%  | 13.14%   |
| 5  | 0   | 241  | 2  | 0   | 1  | 107  | 136   | 27   | 5   | 0  | 1  | 2  |
| 22   | 41  | 374  | 4  | 52  | 46   | 13   | 93  | 66   | 39  | 147  | 4  | 14   |
| 0.97%  | 9.23%   | 1.61%  | 1.42%  | 1.02%   | 5.44%  | 0.94%  | 7.38%   | 5.04%  | 1.53%   | 14.11%   | 2.72%  | 1.26%  |
| 1  | 2   | 10   | 0  | 6   | 0  | 0  | 2   | 0  | 0   | 5  | 0  | 0  |
| 0.04%  | 0.45%   | 0.04%  | 0.00%  | 0.12%   | 0.00%  | 0.00%  | 0.16%   | 0.00%  | 0.00%   | 0.48%  | 0.00%  | 0.00%  |
| 0  | 0   | 24   | 0  | 9   | 0  | 0  | 6   | 0  | 0   | 0  | 0  | 0  |
| 0.00%  | 0.00%   | 0.10%  | 0.00%  | 0.18%   | 0.00%  | 0.00%  | 0.48%   | 0.00%  | 0.00%   | 0.00%  | 0.00%  | 0.00%  |
| 0  | 1   | 0  | 0  | 1   | 0  | 0  | 1   | 0  | 1   | 0  | 0  | 0  |
| 0.00%  | 0.23%   | 0.00%  | 0.00%  | 0.02%   | 0.00%  | 0.00%  | 0.08%   | 0.00%  | 0.04%   | 0.00%  | 0.00%  | 0.00%  |
| 2  | 30  | 98   | 0  | 31  | 21   | 0  | 35  | 15   | 11  | 78   | 1  | 11   |
| 0.09%  | 6.76%   | 0.42%  | 0.00%  | 0.61%   | 2.48%  | 0.00%  | 2.78%   | 1.15%  | 0.43%   | 7.49%  | 0.68%  | 0.99%  |
| OpenRA   | Opserve   | rPowerSh   | Psychso  | PushSha   | RestSha  | roslyn   | ServiceS  | ShareX   | SignalR   | SparkleS   | Wox  | Total  |
| 1710   | 655   | 2540   | 7  | 101   | 203  | 19475  | 4528  | 261  | 759   | 99   | 165  | 61519  |
| 621  | 157   | 1362   | 0  | 27  | 31   | 4069   | 1422  | 94   | 277   | 55   | 60   | 19222  |
| 36.3%  | 24.0%   | 53.6%  | 0.0%   | 26.7%   | 15.3%  | 20.9%  | 31.4%   | 36.0%  | 36.5%   | 55.6%  | 36.4%  | 31.25%   |
| 74   | 68  | 257  | 0  | 3   | 8  | 1229   | 238   | 14   | 54  | 13   | 10   | 9057   |
| 4.3%   | 10.4%   | 10.1%  | 0.0%   | 3.0%  | 3.9%   | 6.3%   | 5.3%  | 5.4%   | 7.1%  | 13.1%  | 6.1%   | 14.72%   |
| 47   | 3   | 40   | 0  | 1   | 1  | 195  | 28  | 4  | 4   | 20   | 1  | 577  |
| 2.75%  | 0.46%   | 1.57%  | 0.00%  | 0.99%   | 0.49%  | 1.00%  | 0.62%   | 1.53%  | 0.53%   | 20.20%   | 0.61%  | 0.94%  |
| 5059   | 827   | 7919   | 43   | 133   | 682  | 64385  | 10887   | 850  | 2642  | 392  | 429  | 222121   |
| 160  | 14  | 216  | 0  | 1   | 33   | 1020   | 617   | 41   | 146   | 6  | 6  | 10721  |
| 3.16%  | 1.69%   | 2.73%  | 0.00%  | 0.75%   | 4.84%  | 1.58%  | 5.67%   | 4.82%  | 5.53%   | 1.53%  | 1.40%  | 4.83%  |
| 589  | 103   | 1372   | 0  | 8   | 22   | 7814   | 1239  | 186  | 296   | 67   | 40   | 26760  |
|  |   |  |  |   |  |  |   |  | 44.000/   | 47.000/  | 0.220/   | 12.05%   |
| 11.64%   | 12.45%  | 17.33%   | 0.00%  | 6.02%   | 3.23%  | 12.14%   | 11.38%  | 21.88%   | 11.20%  | 17.09%   | 9.32 /0  |  |
| 11.64%<br>72                                   | 12.45%<br>0   | 17.33%<br>43   | 0.00%  | 6.02%   | 3.23%<br>0   | 12.14%<br>34   | 11.38%  | 21.88%   | 11.20%  | 17.09%   | 9.32 %   | 738  |
|  |   |  |  |   |  |  |   |  |   |  | _  |  |
| 72   | 0   | 43   | 0  | 3   | 0  | 34   | 6   | 2  | 3<br>43   | 44<br>33   | 4  | 738  |
| 72<br>132                                      | 0<br>5  | 43<br>99   | 0  | 3 4   | 0<br>4   | 34<br>364  | 6<br>95   | 2<br>44  | 3   | 44<br>33   | 4<br>26  | 738<br>1764  |
| 72<br>132<br>7.72%                             | 0<br>5<br>0.76%   | 43<br>99<br>3.90%  | 0 0.00%  | 3<br>4<br>3.96%   | 0<br>4<br>1.97%  | 34<br>364<br>1.87%   | 6<br>95<br>2.10%  | 2<br>44<br>16.86%  | 3<br>43<br>5.67%  | 44<br>33<br>33.33%   | 4<br>26<br>15.76%  | 738<br>1764<br>2.87%                               |
| 72<br>132<br>7.72%<br>2                        | 0<br>5<br>0.76%<br>0  | 43<br>99<br>3.90%<br>1   | 0<br>0<br>0.00%<br>0   | 3<br>4<br>3.96%<br>0  | 0<br>4<br>1.97%<br>0   | 34<br>364<br>1.87%<br>3  | 6<br>95<br>2.10%<br>8   | 2<br>44<br>16.86%<br>8   | 3<br>43<br>5.67%<br>0   | 44<br>33<br>33.33%<br>0  | 4<br>26<br>15.76%<br>0   | 738<br>1764<br>2.87%<br>48                         |
| 72<br>132<br>7.72%<br>2<br>0.12%               | 0<br>5<br>0.76%<br>0<br>0.00%   | 43<br>99<br>3.90%<br>1<br>0.04%  | 0<br>0.00%<br>0.00%  | 3<br>4<br>3.96%<br>0<br>0.00%   | 0<br>4<br>1.97%<br>0<br>0.00%  | 34<br>364<br>1.87%<br>3<br>0.02%<br>4  | 6<br>95<br>2.10%<br>8<br>0.18%  | 2<br>44<br>16.86%<br>8<br>3.07%  | 3<br>43<br>5.67%<br>0<br>0.00%  | 44<br>33<br>33.33%<br>0<br>0.00%   | 4<br>26<br>15.76%<br>0<br>0.00%  | 738<br>1764<br>2.87%<br>48<br>0.08%                |
| 72<br>132<br>7.72%<br>2<br>0.12%               | 0<br>5<br>0.76%<br>0<br>0.00%   | 43<br>99<br>3.90%<br>1<br>0.04%  | 0<br>0.00%<br>0<br>0.00%   | 3<br>4<br>3.96%<br>0<br>0.00%   | 0<br>4<br>1.97%<br>0<br>0.00%  | 34<br>364<br>1.87%<br>3<br>0.02%<br>4<br>0.02%   | 6<br>95<br>2.10%<br>8<br>0.18%<br>5   | 2<br>44<br>16.86%<br>8<br>3.07%<br>2   | 3<br>43<br>5.67%<br>0<br>0.00%  | 44<br>33<br>33.33%<br>0<br>0.00%<br>4  | 4<br>26<br>15.76%<br>0<br>0.00%<br>0   | 738<br>1764<br>2.87%<br>48<br>0.08%<br>55          |
| 72<br>132<br>7.72%<br>2<br>0.12%<br>0<br>0.00% | 0<br>5<br>0.76%<br>0<br>0.00%<br>0  | 43<br>99<br>3.90%<br>1<br>0.04%<br>0<br>0.00%  | 0<br>0.00%<br>0<br>0.00%<br>0<br>0.00%   | 3<br>4<br>3.96%<br>0<br>0.00%<br>0  | 0<br>4<br>1.97%<br>0<br>0.00%<br>0<br>0.00%  | 34<br>364<br>1.87%<br>3<br>0.02%<br>4<br>0.02%   | 6<br>95<br>2.10%<br>8<br>0.18%<br>5<br>0.11%  | 2<br>44<br>16.86%<br>8<br>3.07%<br>2<br>0.77%  | 3<br>43<br>5.67%<br>0<br>0.00%<br>1<br>0.13%  | 44<br>33<br>33.33%<br>0<br>0.00%<br>4<br>4.04%   | 4<br>26<br>15.76%<br>0<br>0.00%<br>0<br>0.00%  | 738<br>1764<br>2.87%<br>48<br>0.08%<br>55<br>0.09% |
| 72<br>132<br>7.72%<br>2<br>0.12%<br>0          | 0<br>5<br>0.76%<br>0<br>0.00%<br>0  | 43<br>99<br>3.90%<br>1<br>0.04%<br>0   | 0<br>0.00%<br>0.00%<br>0.00%   | 3<br>4<br>3.96%<br>0<br>0.00%<br>0  | 0<br>4<br>1.97%<br>0<br>0.00%<br>0   | 34<br>364<br>1.87%<br>3<br>0.02%<br>4<br>0.02%   | 6<br>95<br>2.10%<br>8<br>0.18%<br>5<br>0.11%  | 2<br>44<br>16.86%<br>8<br>3.07%<br>2<br>0.77%  | 3<br>43<br>5.67%<br>0<br>0.00%<br>1<br>0.13%  | 44<br>33<br>33.33%<br>0<br>0.00%<br>4<br>4.04%   | 4<br>26<br>15.76%<br>0<br>0.00%<br>0   | 738<br>1764<br>2.87%<br>48<br>0.08%<br>55<br>0.09% |
|  | 2260 654 28.9% 642 28.4% 4 0.18% 2098 8 0.38% 349 16.63% 5 22 0.97% 1 0.04% 0 0.00% 0 0.00% 2 0.09% OpenRA 1710 621 36.3% 74 4.3% 47 2.75% 5059 160 3.16% | 2260 444 654 288 28.9% 64.9% 642 43 28.4% 9.7% 4 8 0.18% 1.80% 2098 1023 8 39 0.38% 3.81% 349 383 16.63% 37.44% 5 0 22 41 0.97% 9.23% 1 2 0.04% 0.45% 0 0 0.00% 0.00% 0 1 0.00% 0.23% 2 30 0.09% 6.76%  OpenRA Opserver 1710 655 621 157 36.3% 24.0% 74 68 4.3% 10.4% 47 3 2.75% 0.46% 5059 827 160 14 3.16% 1.69% | 2260 444 23292 654 288 5580 28.9% 64.9% 24.0% 642 43 5243 28.4% 9.7% 22.5% 4 8 91 0.18% 1.80% 0.39% 2098 1023 75298 8 39 3110 0.38% 3.81% 4.13% 349 383 8321 16.63% 37.44% 11.05% 5 0 241 22 41 374 0.97% 9.23% 1.61% 1 2 10 0.04% 0.45% 0.04% 0 0 24 0.00% 0.00% 0.10% 0 1 0 0.00% 0.23% 0.00% 0 1 0 0.00% 0.23% 0.00% 2 30 98 0.09% 6.76% 0.42%  OpenRA OpserverPowerSt 1710 655 2540 621 157 1362 36.3% 24.0% 53.6% 74 68 257 4.3% 10.4% 10.1% 47 3 40 2.75% 0.46% 1.57% 5059 827 7919 160 14 216 3.16% 1.69% 2.73% | 2260         444         23292         281           654         288         5580         68           28.9%         64.9%         24.0%         24.2%           642         43         5243         7           28.4%         9.7%         22.5%         2.5%           4         8         91         0           0.18%         1.80%         0.39%         0.00%           2098         1023         75298         686           8         39         3110         26           0.38%         3.81%         4.13%         3.79%           349         383         8321         35           16.63%         37.44%         11.05%         5.10%           5         0         241         2           22         41         374         4           0.97%         9.23%         1.61%         1.42%           1         2         10         0           0.04%         0.45%         0.04%         0.00%           0         0         24         0           0.00%         0.23%         0.00%         0.00%           0         0 | 2260         444         23292         281         5108           654         288         5580         68         1271           28.9%         64.9%         24.0%         24.2%         24.9%           642         43         5243         7         439           28.4%         9.7%         22.5%         2.5%         8.6%           4         8         91         0         10           0.18%         1.80%         0.39%         0.00%         0.20%           2098         1023         75298         686         13159           8         39         3110         26         4491           0.38%         3.81%         4.13%         3.79%         34.13%           349         383         8321         35         2800           16.63%         37.44%         11.05%         5.10%         21.28%           5         0         241         2         0           22         41         374         4         52           0.97%         9.23%         1.61%         1.42%         1.02%           0         0         24         0         9 <td< td=""><td>2260         444         23292         281         5108         846           654         288         5580         68         1271         336           28.9%         64.9%         24.0%         24.2%         24.9%         39.7%           642         43         5243         7         439         74           28.4%         9.7%         22.5%         2.5%         8.6%         8.7%           4         8         91         0         10         7           0.18%         1.80%         0.39%         0.00%         0.20%         0.83%           2098         1023         75298         686         13159         3107           8         39         3110         26         4491         51           0.38%         3.81%         4.13%         3.79%         34.13%         1.64%           349         383         8321         35         2800         576           16.63%         37.44%         11.05%         5.10%         21.28%         18.54%           5         0         241         2         0         1           0.97%         9.23%         1.61%         1.42%         &lt;</td><td>2260         444         23292         281         5108         846         1387           654         288         5580         68         1271         336         250           28.9%         64.9%         24.0%         24.2%         24.9%         39.7%         18.0%           642         43         5243         7         439         74         167           28.4%         9.7%         22.5%         2.5%         8.6%         8.7%         12.0%           4         8         91         0         10         7         2           0.18%         1.80%         0.39%         0.00%         0.20%         0.83%         0.14%           2098         1023         75298         686         13159         3107         3377           8         39         3110         26         4491         51         60           0.38%         3.81%         4.13%         3.79%         34.13%         1.64%         1.78%           349         383         3821         35         2800         576         78           16.63%         37.44%         11.05%         5.10%         21.28%         18.54%         2.31%&lt;</td><td>2260         444         23292         281         5108         846         1387         1260         654         288         5580         68         1271         336         250         564         28.9%         64.9%         24.0%         24.2%         24.9%         39.7%         18.0%         44.8%         642         43         5243         7         439         74         167         93         28.4%         9.7%         22.5%         2.5%         8.6%         8.7%         12.0%         7.4%         4         8         91         0         10         7         2         52         0.18%         1.80%         0.39%         0.00%         0.20%         0.83%         0.14%         4.13%         2098         1023         75298         686         13159         3107         3377         4550         8         39         3110         26         4491         51         60         67         0.38%         3.81%         4.13%         3.79%         34.13%         1.64%         1.78%         1.47%         343         37.44%         11.05%         5.10%         21.28%         18.54%         2.31%         20.09%         6.0         2         20         11         107         1</td><td>2260         444         23292         281         5108         846         1387         1260         1310           654         288         5580         68         1271         336         250         564         424           28.9%         64.9%         24.0%         24.2%         24.9%         39.7%         18.0%         44.8%         32.4%           642         43         5243         7         439         74         167         93         98           28.4%         9.7%         22.5%         2.5%         8.6%         8.7%         12.0%         7.4%         7.5%           4         8         91         0         10         7         2         52         14           0.18%         1.80%         0.39%         0.00%         0.20%         0.83%         0.14%         4.13%         1.07%           2098         1023         75298         686         13159         3107         3377         4550         8426           8         39         3110         26         4491         51         60         67         49           0.38%         3.81%         4.13%         3.79%         34.13%</td><td>2260         444         23292         281         5108         846         1387         1260         1310         2545         664         288         5580         68         1271         336         250         564         424         781         28.9%         64.9%         24.0%         24.2%         24.9%         39.7%         18.0%         44.8%         32.4%         30.7%         642         43         5243         7         439         74         167         93         98         163         28.4%         9.7%         22.5%         2.5%         8.6%         8.7%         12.0%         7.4%         7.5%         6.4%         4         8         91         0         10         7         2         52         14         2         0.18%         1.88%         1.039         0.00%         0.20%         0.83%         0.14%         4.13%         1.07%         0.08%         2098         1023         75298         686         13159         3107         3377         4550         8426         8331         3         3110         26         4491         51         60         67         49         360         0.38%         3.413         1.47%         0.58%         4.32%</td><td>2260         444         23292         281         5108         846         1387         1260         1310         2545         1042         654         288         5580         68         1271         336         250         564         424         781         323         28.9%         64.9%         24.0%         24.2%         24.9%         39.7%         18.0%         44.8%         32.4%         30.7%         31.0%         31.0%         31.0%         31.0%         31.0%         41         28.4%         9.7%         22.5%         8.6%         8.7%         12.0%         7.4%         7.5%         6.4%         3.9%           4         8         91         0         10         7         2         52         14         2         41           0.18%         1.80%         0.39%         0.00%         0.20%         0.83%         0.14%         4.13%         1.07%         0.08%         3.93%           208         1.023         75298         686         13159         3107         3377         4550         842e         8331         4338           8         9         33110         26         4491         51         60         67         49</td><td>  2260</td></td<> | 2260         444         23292         281         5108         846           654         288         5580         68         1271         336           28.9%         64.9%         24.0%         24.2%         24.9%         39.7%           642         43         5243         7         439         74           28.4%         9.7%         22.5%         2.5%         8.6%         8.7%           4         8         91         0         10         7           0.18%         1.80%         0.39%         0.00%         0.20%         0.83%           2098         1023         75298         686         13159         3107           8         39         3110         26         4491         51           0.38%         3.81%         4.13%         3.79%         34.13%         1.64%           349         383         8321         35         2800         576           16.63%         37.44%         11.05%         5.10%         21.28%         18.54%           5         0         241         2         0         1           0.97%         9.23%         1.61%         1.42%         < | 2260         444         23292         281         5108         846         1387           654         288         5580         68         1271         336         250           28.9%         64.9%         24.0%         24.2%         24.9%         39.7%         18.0%           642         43         5243         7         439         74         167           28.4%         9.7%         22.5%         2.5%         8.6%         8.7%         12.0%           4         8         91         0         10         7         2           0.18%         1.80%         0.39%         0.00%         0.20%         0.83%         0.14%           2098         1023         75298         686         13159         3107         3377           8         39         3110         26         4491         51         60           0.38%         3.81%         4.13%         3.79%         34.13%         1.64%         1.78%           349         383         3821         35         2800         576         78           16.63%         37.44%         11.05%         5.10%         21.28%         18.54%         2.31%< | 2260         444         23292         281         5108         846         1387         1260         654         288         5580         68         1271         336         250         564         28.9%         64.9%         24.0%         24.2%         24.9%         39.7%         18.0%         44.8%         642         43         5243         7         439         74         167         93         28.4%         9.7%         22.5%         2.5%         8.6%         8.7%         12.0%         7.4%         4         8         91         0         10         7         2         52         0.18%         1.80%         0.39%         0.00%         0.20%         0.83%         0.14%         4.13%         2098         1023         75298         686         13159         3107         3377         4550         8         39         3110         26         4491         51         60         67         0.38%         3.81%         4.13%         3.79%         34.13%         1.64%         1.78%         1.47%         343         37.44%         11.05%         5.10%         21.28%         18.54%         2.31%         20.09%         6.0         2         20         11         107         1 | 2260         444         23292         281         5108         846         1387         1260         1310           654         288         5580         68         1271         336         250         564         424           28.9%         64.9%         24.0%         24.2%         24.9%         39.7%         18.0%         44.8%         32.4%           642         43         5243         7         439         74         167         93         98           28.4%         9.7%         22.5%         2.5%         8.6%         8.7%         12.0%         7.4%         7.5%           4         8         91         0         10         7         2         52         14           0.18%         1.80%         0.39%         0.00%         0.20%         0.83%         0.14%         4.13%         1.07%           2098         1023         75298         686         13159         3107         3377         4550         8426           8         39         3110         26         4491         51         60         67         49           0.38%         3.81%         4.13%         3.79%         34.13% | 2260         444         23292         281         5108         846         1387         1260         1310         2545         664         288         5580         68         1271         336         250         564         424         781         28.9%         64.9%         24.0%         24.2%         24.9%         39.7%         18.0%         44.8%         32.4%         30.7%         642         43         5243         7         439         74         167         93         98         163         28.4%         9.7%         22.5%         2.5%         8.6%         8.7%         12.0%         7.4%         7.5%         6.4%         4         8         91         0         10         7         2         52         14         2         0.18%         1.88%         1.039         0.00%         0.20%         0.83%         0.14%         4.13%         1.07%         0.08%         2098         1023         75298         686         13159         3107         3377         4550         8426         8331         3         3110         26         4491         51         60         67         49         360         0.38%         3.413         1.47%         0.58%         4.32% | 2260         444         23292         281         5108         846         1387         1260         1310         2545         1042         654         288         5580         68         1271         336         250         564         424         781         323         28.9%         64.9%         24.0%         24.2%         24.9%         39.7%         18.0%         44.8%         32.4%         30.7%         31.0%         31.0%         31.0%         31.0%         31.0%         41         28.4%         9.7%         22.5%         8.6%         8.7%         12.0%         7.4%         7.5%         6.4%         3.9%           4         8         91         0         10         7         2         52         14         2         41           0.18%         1.80%         0.39%         0.00%         0.20%         0.83%         0.14%         4.13%         1.07%         0.08%         3.93%           208         1.023         75298         686         13159         3107         3377         4550         842e         8331         4338           8         9         33110         26         4491         51         60         67         49 | 2260   |