```
[h] option option
                CloneProjectOriginal Project
                        projectName
                  id
                                                             summary
                                                                                             791626dfb92acf4a
                   1
                            zstd
                                                    Compression library (v1.5.1)
                   2
                          radare2
                                               Reverse engineering framework (5.5.4)
                                                                                             1703da75e247871
                   3
                           nginx
                                              HTTP and reverse proxy server (1.21.5)
                                                                                              3a7d332aef234d3
                   4
                         mimikatz
                                          Windows penetration test tool (2.2.0-20210810-2)
                                                                                              7f02230226b0459
                   5
                                                Real-time web log analyzer (v1.5.4)
                                                                                             72876319542c257
                          goaccess
                   6
                        micropython
                                             Programming language interpreter (v1.17)
                                                                                             7c54b6428058a23
                   7
                            bcc
                                       BPF (Berkeley Package Filter) creation tool (v0.23.0)
                                                                                             67f59ee80fcf5dee
                   8
                          Nuklear
                                                 Cross-platform GUI library (4.9.5)
                                                                                              3e91905e82c3cad
                   9
                            nnn
                                                    Terminal file manager (v4.4)
                                                                                              65eddfe7b9f02f6
                  10
                        timescaledb
                                                  Time-series SQL database (2.5.1)
                                                                                              a2530ab5f251ba9
                          hashcat
                                                  Password recovery utility (6.2.5)
                                                                                              fe1d3f95bb1d323
                  11
[h] Target projects
                  12nginx-rtmp-module
                                           nginx media streaming server module (v1.2.2)
                                                                                             23e1873aa62acb5
                  13
                       qmk_firmware
                                                    Keyboard firmware (0.15.13)
                                                                                             7c186ebb974b4bb
                  14
                          tengine
                                              Web server (extended from nginx) (2.3.3)
                                                                                              ae3ff4619d133ff1
                  15
                         twemproxy
                                                         KVS proxy (0.5.0)
                                                                                             894d78378c07206
                  16
                            ish
                                                       iOS Linux shell (1.2.3)
                                                                                              f5dabd67f6bb46f
                  17
                           skynet
                                                  Online game framework (v1.5.0)
                                                                                              38e5b1ca1ca4c0e
                  18
                          robotjs
                                                Desktop automation library (v0.6.0)
                                                                                              99021d82cea1fe1
                  19
                           brotli
                                                    Compression library (v1.0.9)
                                                                                             e61745a6b7add50
                  20
                            tig
                                                   Text-mode git interface (2.5.5)
                                                                                              72187884af2908
                  21
                                                                                              38e0c9366e4a72
                            kcp
                                                   Protocol implementation (1.7)
                  22
                          reactos
                                                     Operating system (0.4.14)
                                                                                             9963bba88bdca8
                  23
                                                                                             b4d7885af70a42d
                          openwrt
                                                    Operating system (v21.02.1)
                       projectNamecFileshFilesallFiles
                                                           targetRate
                                                      0.4247469066366704
                         radare2
                                    1257
                                          631
                                                4445
                                    108
                                          108
                                                461
                                                      0.4685466377440347
                           ish
[h] Target project files
                         goaccess
                                     35
                                           35
                                                 119
                                                      0.5882352941176471
                                     33
                                           60
                          brotli
                                                 369
                                                      0.25203252032520324
                                      2
                           nnn
                                           8
                                                 113
                                                      0.08849557522123894
                                    230
                                          113
                                                499
                                                       0.687374749498998
                          nginx
            projectName sum fileNum
                                              average
               radare2
                         730700
                                  1257
                                         581.304693715195
                  ish
                          24033
                                  108
                                        222.52777777777777
[h] C file loc
               goaccess
                          31494
                                   35
                                        899.8285714285714
                                   33
                brotli
                          21035
                                        637.4242424242424
                          8843
                                   2
                                               4421.5
                 nnn
                                  230
                nginx
                         190635
                                        828.8478260869565
                            project namefile numvariaty of macro num mean median variance stdev
                               radare2
                                           957
                                                         20020
                                                                      27.421
                                                                              4.0
                                                                                    17174.409131.051
                                           178
                                                          1489
                                                                       10.618
                                                                               3.0
                                                                                     338.283 18.392
                                nginx
                                            19
                                                                       21.79
[h] defined macro per file info
                               goaccess
                                                          389
                                                                               4.0
                                                                                     3023.51
                                                                                              54.99
                                 nnn
                                            9
                                                          4193
                                                                       467.2
                                                                              10.0
                                                                                    1505941.7\ 1227.2
                                 ish
                                           116
                                                          1543
                                                                       15.302
                                                                               3.0
                                                                                     1444.717 38.009
                                brotli
                                            69
                                                          330
                                                                        7.35
                                                                               2.0
                                                                                      259.41
                                                                                               16.11
                              project namefile numvariaty of macro num
                                                                         mean median
                                                                                           variance
                                                                                                        stdev
                                             1727
                                radare2
                                                          30105
                                                                        3492.52984006.03884546.90631970.925
                                 nginx
                                             339
                                                           26256
                                                                         5545.041 5708.0 2369479.998 1539.31
[h] available macro per file info
                                              39
                                                           4181
                                                                         1965.56 2004.0
                                                                                          688511.88
                                                                                                        829.77
                                goaccess
                                  nnn
                                              9
                                                           9324
                                                                         1802.7
                                                                                  1310.0
                                                                                          2323377.5
                                                                                                        1524.3
```

167

88

ish brotli 9064

2336

2077.832 1638.0 1498494.49

120950.86

936.82 1018.0

1224.13

347.78

	project nam	ofilo nun	nvariaty of m	noero nu	m mos	n m	odian	variance	stdev
	radare2	eme nun 1727	304					variance 15235.0868	
[h] whole macro per file info	nginx	339						19239.0808 00397.176	
	goaccess	39						01428.27	837.51
	nnn				1978.69 2 1805.9 1			334693.1	1528.0
	ish	167	$9348 \\ 9152$					09681.898	
	brotli	88	2432						354.3
							125531.7	554.5	
project namefile numvariaty of macro num mean medianvariance stdev radare2 1339 6183 12.344 7.0 624.342 24.987									
[h] used macro per file info		1339	6183		12.344	7.0			
	nginx	271	1006)	20.882	16.0	423.653		
	goaccess	30	304		15.5	7.0		17.73	
	nnn	3	270		92.7	11.0	21772.3		
	ish	121	828		14.23	7.0	354.83		
	brotli	62	129	31 .	5.08	2.0	48.5	6.96	
			umtarget file nun						
[h] frequency of macro use file in each project			radare2	1888	133		0.7092		
			nginx	343	27		0.7901		
			goaccess	70	30		0.4286		
			nnn	10	3		0.3		
			ish	216	12		0.5602		
			brotli	93	62		0.6667		
	project namefile numtarget file num rate								
[h] appearance of define directive in each project			radare2	1888		57	0.5069		
			nginx	343	1	.78	0.519	1	
			goaccess	70		19	0.271	4	
			$_{ m nnn}$	10		9	0.9		
			ish	216		16	0.537		
			brotli	93		69	0.741	9	