

S2 Supplemental. Ranked concept list obtained from the Verification Corpus.

The 102 concepts identified from the Verification Corpus as a whole organized by decade. Values shown are concept prominences. Each publication is tagged with decade in which it was published to allow for the calculation of its prominence in each decade (six times total) within the analysis.

The large number of publications comprising the Verification Corpus gives the appearance that prominence values are always very low; however, this is expected since the size of the Corpus directly affects the calculation of prominence.

Concept Name	FOLDER1_1960s	FOLDER1_1970s	FOLDER1_1980s
activities	1.3303621	0.5339414	0.7105835
agent	0.11461797	0.012048136	0.050187666
algorithm	0.30612117	0.8044526	0.5483495
analysis	0.47738272	0.8679344	1.0261527
application	0.47517502	0.4767792	0.7084508
approach	0.2863853	0.5140762	0.7234573
architecture	0.061507545	0.025861604	0.3035999
area	0.46837336	1.1586245	0.8240736
average	0.6488401	1.2807046	0.8178838
behavior	0.7748409	0.5194221	1.0859251
capabilities	0.15069817	0.43086773	0.5662804
capacity	0.8007644	0.85703224	0.6983621
case	0.7282358	0.82502735	0.62808096
code	0.09867709	0.407985	1.1155429
complex	0.5801644	0.748635	0.7788314
component	0.45440662	0.4389236	0.7303736
computer	5.637897	2.640339	1.8592498
control	1.4314673	1.234154	1.0452344
cost	1.2576431	1.2711335	0.7836643
data	0.58200854	0.9005785	0.8108658
decision	0.58954525	1.2577693	1.1038465
degree	0.95230186	0.8389481	0.7942543
design	0.5490281	0.8148851	1.1180898
developed	0.37438333	0.91824883	0.8058555
development	0.38515016	0.5351098	0.7025778

different	0.3225091	0.5198112	0.71749526
distributed	0.31038618	0.32626423	0.60364556
distribution	1.7732377	1.5719303	0.82585615
dynamic	0.55088043	0.9107053	0.9269776
dynamics	0.14972813	0.7974305	0.69932073
effect	0.6954923	1.2859349	0.7723395
effort	0.4611836	0.8033428	0.98084193
engineering	0.4324362	0.4155957	0.6639561
environment	0.28969377	0.39282212	0.59849167
event	0.6714238	0.7981628	0.9913244
execution	0.55361485	0.36503226	0.96964324
form	1.3474895	0.91477215	1.1845177
function	2.4742365	1.4386451	0.93166345
future	0.8530041	0.5760234	0.73054516
group	2.4999826	0.60174435	0.71535414
HLA	0	0	0
implementation	0.1572205	0.55245143	0.7653083
information	0.669428	0.6579801	0.7807353
input	1.7184485	1.3855355	1.479353
interface	0.097976215	0.3295625	0.8840155
knowledge	0.1655913	0.3381781	1.0151023
large	1.1197902	1.1873094	0.96126264
level	0.71986896	0.60535556	0.8418291
M&s	0	0	0
management	0.657868	0.583121	0.8068512
method	1.2285634	0.8741862	0.86993647
model	0.40954033	0.9985194	1.1325938
modeling	0.13387924	0.55297804	0.8432729
network	0.67015696	0.77902704	0.8536465
object	0.032112394	0.15527359	0.42950034
operations	0.98653483	0.9257138	0.72218996
order	0.6830005	0.72857606	0.79247135
output	2.1106544	1.331176	1.4189588
parameters	0.40879977	1.2676511	0.9942678
particular	1.1458409	0.95864964	0.826595
performance	0.18150532	0.612914	0.6836704
policy	0.47558373	0.83318764	1.1232523
population	0.6997844	1.3579983	0.60425687

power	0.964939	0.77086896	0.6107291
problem	1.5776448	1.1452373	1.1710384
process	0.5991664	0.49732226	0.7964327
product	0.38106057	0.3547764	0.70208967
production	0.921808	0.655914	1.2814586
program	2.8298419	2.568767	1.625937
project	0.5563588	0.48978657	0.74467844
quality	0.3121284	0.8020114	0.58534
rate	1.2879666	1.4477943	0.90819645
requirements	0.31013116	0.4470805	0.61725837
research	0.30081272	0.35069573	0.6368116
resources	0.118520565	0.57806784	0.7397609
result	0.82663727	1.0084997	0.9011403
service	0.29551506	0.74551773	0.62868595
simulated	1.245175	1.5270184	1.0031171
simulation	0.45829222	0.6840259	0.9465116
size	0.8103115	1.2739421	1.0293707
social	2.0577173	0.6903133	0.43917742
software	0.13339524	0.5404812	0.8814547
source	1.0031917	1.0453411	0.68754774
standard	0.73121756	0.64783984	0.56550837
structure	0.8854967	0.9874521	1.1662599
study	0.6871502	0.7736655	0.89474344
system	0.61482483	0.9471913	1.1931263
techniques	0.80884904	1.2003195	1.2140265
technology	0.3963689	0.21211042	0.47907653
test	0.4162015	0.77681607	0.8348369
time	1.2406639	1.2126411	1.1007806
tool	0.32009587	0.40593556	0.7110761
total	1.8383026	1.8288242	0.8336835
training	0.258729	0.14339948	0.1498042
type	1.0798132	1.097989	1.1210757
unit	0.92572796	0.9833273	0.876637
user	0.7674001	0.8395991	0.9476073
V&v	0	0	0
validation	0.059732933	0.5588187	0.9296985
value	1.6251948	1.1685401	1.0213066
verification	0.99332595	0.8121091	1.1387695

work	0.93607825	0.407846	0.5864682
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FOLDER1_1990s	FOLDER1_2000s	FOLDER1_2010s
0.94045585	1.1000152	0.9871828
0.45894092	1.0492007	1.5925264
1.0098096	0.8779787	1.3039843
1.0111884	0.98389876	1.0310938
0.9806923	1.088337	0.9982841
0.8670603	0.988478	1.2194313
0.8630763	1.2493474	0.9701438
1.0551256	0.97591424	1.0344204
0.74530095	0.8686853	1.3874782
0.8839037	0.9949605	1.1095154
1.0669132	1.2197835	0.785949
0.89380115	0.9080289	1.2896514
0.6784467	1.03026	1.2691401
1.0953	0.905023	1.1185794
0.8150459	0.98143077	1.2273523
0.92138404	1.1786519	0.9013856
1.1730734	0.877048	0.6605052
1.0014	0.9523686	1.033019
0.985976	0.9494695	1.1052883
1.0404075	1.0173944	1.0047361
0.9447016	0.9307512	1.102689
1.0557141	1.030871	0.9768023
1.0864369	0.9348337	1.0374249
1.017802	1.0586525	0.9613793
1.1301532	1.1100639	0.8649587

0.8090023	0.97805667	1.273605
1.1171193	1.1933895	0.7898216
0.99512863	0.8820921	1.1562746
0.88506097	0.9555894	1.1738431
0.62340015	1.0064161	1.3379036
0.8393309	0.98029596	1.167444
1.0811841	1.1756556	0.71420705
0.78640527	1.0867281	1.1449323
0.946959	1.1222631	1.0045263
1.2312117	0.9327593	0.9719764
1.2218293	0.9950114	0.9283373
1.1026697	0.9456748	0.9734335
1.0645183	0.8556462	1.1252956
0.9527973	1.0260268	1.0899374
0.9002981	1.0109848	1.1193731
1.3725234	1.5266478	0.28939345
1.0266596	1.0494578	1.012615
0.94405746	1.1286653	0.92778116
1.0800012	0.84855765	1.0223981
1.3288057	1.087469	0.7494198
0.9147225	1.073848	1.01287
1.0784533	0.9456298	1.0200422
0.87514234	1.0343449	1.1042087
0.6080299	1.2621912	1.1900214
0.9667842	1.0054498	1.0973859
0.8391702	0.9220889	1.2579556
0.93213934	0.9401688	1.1154412
0.8488856	1.0055073	1.1789984
0.8522599	1.0027032	1.1503237
1.8100903	1.0272925	0.6369378
1.0973185	1.0429609	0.93928367
0.8981536	0.9641785	1.1949766
1.1549282	0.8737275	0.94623667
0.870222	0.89993596	1.224526
1.1117969	1.0320567	0.9173668
1.0153793	1.05437	1.0252923
0.50387615	0.9145683	1.4517504
0.47065613	0.821074	1.6800973

0.6218684	0.9751665	1.3930229
1.0975068	0.96453375	0.9283494
0.9787548	1.0748018	0.9964413
0.8195638	1.1387558	1.04289
0.973003	0.93207955	1.0872486
1.2872367	0.9813389	0.53616995
0.9652288	0.9999617	1.1299316
0.7825018	1.10987	1.1001263
0.61541957	0.98204935	1.2590147
1.075384	1.1729269	0.8348767
0.77799547	1.0289589	1.2504767
0.8819392	0.9693823	1.2320926
0.9105714	0.97687835	1.1178607
0.8813439	1.0796088	1.075347
1.081779	0.91874206	1.0181191
1.1212212	1.0011638	0.96582407
1.0505191	0.9004831	1.0890762
0.34091207	0.90398556	1.710595
1.1721355	1.1044121	0.8100879
0.8496635	1.0362241	1.1105546
0.94734484	1.131952	0.96799785
0.8758298	0.9634019	1.1031351
0.79701686	0.922314	1.2979592
1.0285478	0.9631804	1.0046129
1.0488703	0.9487836	0.98345935
1.0687053	1.2066334	0.83763254
1.1818978	1.0541029	0.86429054
1.0155276	0.9382583	1.0376222
1.101221	1.09289	0.9198115
0.7293267	0.8510217	1.3541669
1.098275	1.1968174	0.9136153
1.0383606	0.9881595	0.95595396
1.1148587	0.8998446	1.1034709
1.0428853	1.002201	0.9974172
1.0364705	1.3022768	0.8467007
1.0092229	0.98165184	1.0902508
0.87174064	0.8981084	1.207178
1.1820645	1.0737939	0.75455475

0.8285142	1.011163	1.2387869
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