

Appendices for “Exploring the effect of second-order collocation on the distribution of support verbs”

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Appendix 1. Second-order co-occurrences with *decision* as base

C₁: make

C ₂	F(C ₁ +C ₂) _B	F(C ₁) _B	F(C ₂) _B	F(B)	ΔP(C ₂ C ₁)	ΔP(C ₁ C ₂)
informed	37021	688285	45131	3767076	0.05115	0.64532
well-informed	1311	688285	1699	3767076	0.00178	0.58919
healthy	1661	688285	2325	3767076	0.00220	0.53203
sound	4288	688285	6429	3767076	0.00553	0.48509
intelligent	1432	688285	2150	3767076	0.00185	0.48361
right	16352	688285	25193	3767076	0.02089	0.46950
smart	4382	688285	7108	3767076	0.00548	0.43460
independent	1329	688285	2342	3767076	0.00160	0.38499
responsible	1792	688285	3169	3767076	0.00216	0.38309
good	28711	688285	51988	3767076	0.03415	0.37472
conscious	4681	688285	8654	3767076	0.00551	0.35902
quick	2309	688285	4425	3767076	0.00267	0.33950
rational	1776	688285	3424	3767076	0.00205	0.33629
appropriate	2004	688285	4004	3767076	0.00226	0.31813
data-driven	977	688285	2080	3767076	0.00106	0.28716
correct	1603	688285	3415	3767076	0.00174	0.28695
wise	3882	688285	8316	3767076	0.00420	0.28473
effective	1673	688285	3861	3767076	0.00172	0.25085
wrong	2383	688285	5602	3767076	0.00242	0.24303
buying	1019	688285	2434	3767076	0.00102	0.23609
critical	2827	688285	6874	3767076	0.00279	0.22897
different	1104	688285	2772	3767076	0.00106	0.21572
medical	1963	688285	4939	3767076	0.00189	0.21502
purchasing	2626	688285	7078	3767076	0.00237	0.18865
positive	1214	688285	3374	3767076	0.00106	0.17726
financial	3305	688285	9217	3767076	0.00288	0.17630
tough	5166	688285	14481	3767076	0.00448	0.17470
crucial	1172	688285	3403	3767076	0.00098	0.16184
life	1540	688285	4498	3767076	0.00128	0.15985

purchase	1580	688285	4626	3767076	0.00131	0.15903
final	18138	688285	55497	3767076	0.01422	0.14627
important	8936	688285	27850	3767076	0.00684	0.13918
career	1276	688285	4037	3767076	0.00096	0.13351
hard	2585	688285	8205	3767076	0.00193	0.13263
business	6201	688285	20218	3767076	0.00446	0.12467
strategic	4611	688285	15104	3767076	0.00329	0.12307
difficult	6587	688285	21663	3767076	0.00467	0.12206
poor	1991	688285	6557	3767076	0.00141	0.12115
bad	3761	688285	12667	3767076	0.00257	0.11459
funding	1714	688285	6050	3767076	0.00108	0.10076
treatment	1627	688285	5757	3767076	0.00102	0.10005
investment	5263	688285	20483	3767076	0.00270	0.07464
key	2803	688285	11153	3767076	0.00136	0.06882
big	2236	688285	9589	3767076	0.00086	0.05060
major	2502	688285	12378	3767076	0.00043	0.01949
personal	1161	688285	6086	3767076	0.00009	0.00807
management	2679	688285	16103	3767076	-0.00047	-0.01641
policy	4698	688285	33192	3767076	-0.00243	-0.04154
design	1438	688285	10287	3767076	-0.00078	-0.04304
political	1768	688285	14989	3767076	-0.00173	-0.06502

C₁: take

<i>C₂</i>	$F(C_1+C_2)_B$	$F(C_1)_B$	$F(C_2)_B$	$F(B)$	$\Delta P(C_2 C_1)$	$\Delta P(C_1 C_2)$
bold	485	91775	2431	3767076	0.00476	0.17526
necessary	353	91775	1896	3767076	0.00343	0.16190
brave	177	91775	1218	3767076	0.00165	0.12100
appropriate	563	91775	4004	3767076	0.00520	0.11637
main	110	91775	901	3767076	0.00098	0.09775
firm	163	91775	1439	3767076	0.00143	0.08894
courageous	136	91775	1368	3767076	0.00115	0.07508
unilateral	214	91775	2229	3767076	0.00178	0.07169
proper	113	91775	1227	3767076	0.00093	0.06775
crucial	244	91775	3403	3767076	0.00180	0.04738
independent	166	91775	2342	3767076	0.00122	0.04655
formal	139	91775	1991	3767076	0.00101	0.04548
similar	109	91775	1708	3767076	0.00075	0.03947
relevant	131	91775	2117	3767076	0.00089	0.03754
collective	207	91775	3463	3767076	0.00137	0.03544
right	1466	91775	25193	3767076	0.00952	0.03406
correct	194	91775	3415	3767076	0.00124	0.03248
deliberate	99	91775	1748	3767076	0.00063	0.03229
historic	126	91775	2358	3767076	0.00077	0.02909

strategic	791	91775	15104	3767076	0.00472	0.02812
hard	423	91775	8205	3767076	0.00249	0.02725
different	139	91775	2772	3767076	0.00080	0.02580
important	1347	91775	27850	3767076	0.00747	0.02418
quick	210	91775	4425	3767076	0.00114	0.02312
tough	684	91775	14481	3767076	0.00370	0.02296
joint	109	91775	2330	3767076	0.00058	0.02243
wrong	259	91775	5602	3767076	0.00137	0.02190
political	674	91775	14989	3767076	0.00345	0.02069
major	512	91775	12378	3767076	0.00235	0.01706
key	460	91775	11153	3767076	0.00210	0.01693
difficult	877	91775	21663	3767076	0.00390	0.01621
conscious	330	91775	8654	3767076	0.00133	0.01380
joint	2097	91775	55497	3767076	0.00832	0.01362
significant	105	91775	2796	3767076	0.00041	0.01320
positive	108	91775	3374	3767076	0.00029	0.00765
economic	136	91775	4811	3767076	0.00021	0.00391
unanimous	234	91775	8566	3767076	0.00028	0.00296
wise	223	91775	8316	3767076	0.00023	0.00246
new	102	91775	4002	3767076	0.00005	0.00113
policy	828	91775	33192	3767076	0.00022	0.00059
critical	153	91775	6874	3767076	-0.00016	-0.00211
investment	440	91775	20483	3767076	-0.00066	-0.00290
big	189	91775	9589	3767076	-0.00050	-0.00466
informed	840	91775	45131	3767076	-0.00290	-0.00582
business	355	91775	20218	3767076	-0.00154	-0.00684
financial	143	91775	9217	3767076	-0.00091	-0.00887
good	659	91775	51988	3767076	-0.00679	-0.01185
management	202	91775	16103	3767076	-0.00213	-0.01187
bad	112	91775	12667	3767076	-0.00220	-0.01557
recent	122	91775	21632	3767076	-0.00452	-0.01883

C₁: reach

<i>C₂</i>	$F(C_1+C_2)_B$	$F(C_1)_B$	$F(C_2)_B$	$F(B)$	$\Delta P(C_2 C_1)$	$\Delta P(C_1 C_2)$
consensual	18	16277	178	3767076	0.00106	0.09681
conclusive	16	16277	196	3767076	0.00093	0.07732
mutual	42	16277	618	3767076	0.00243	0.06365
consensus	58	16277	1150	3767076	0.00327	0.04613
balanced	24	16277	556	3767076	0.00133	0.03885
fair	36	16277	895	3767076	0.00198	0.03591
joint	93	16277	2330	3767076	0.00512	0.03562
common	28	16277	822	3767076	0.00151	0.02975
unanimous	267	16277	8566	3767076	0.01419	0.02691

different	77	16277	2772	3767076	0.00401	0.02347
concrete	17	16277	788	3767076	0.00084	0.01726
optimal	25	16277	1179	3767076	0.00123	0.01689
collaborative	21	16277	1105	3767076	0.00100	0.01469
collective	63	16277	3463	3767076	0.00296	0.01388
similar	29	16277	1708	3767076	0.00133	0.01266
firm	23	16277	1439	3767076	0.00104	0.01167
final	853	16277	55497	3767076	0.03784	0.01121
clear	25	16277	1834	3767076	0.00105	0.00932
timely	26	16277	1913	3767076	0.00109	0.00928
correct	46	16277	3415	3767076	0.00193	0.00916
majority	32	16277	2552	3767076	0.00129	0.00822
judicial	80	16277	6789	3767076	0.00313	0.00748
particular	16	16277	1638	3767076	0.00055	0.00545
positive	31	16277	3374	3767076	0.00101	0.00487
formal	18	16277	1991	3767076	0.00058	0.00472
sound	52	16277	6429	3767076	0.00149	0.00377
appropriate	32	16277	4004	3767076	0.00091	0.00368
quick	35	16277	4425	3767076	0.00098	0.00359
regulatory	18	16277	2292	3767076	0.00050	0.00353
group	17	16277	2740	3767076	0.00032	0.00188
effective	22	16277	3861	3767076	0.00033	0.00138
rational	18	16277	3424	3767076	0.00020	0.00094
new	18	16277	4002	3767076	0.00004	0.00018
landmark	19	16277	4510	3767076	-0.00003	-0.00011
right	103	16277	25193	3767076	-0.00036	-0.00023
investment	83	16277	20483	3767076	-0.00034	-0.00027
funding	24	16277	6050	3767076	-0.00013	-0.00035
informed	154	16277	45131	3767076	-0.00253	-0.00092
treatment	17	16277	5757	3767076	-0.00049	-0.00137
important	76	16277	27850	3767076	-0.00274	-0.00160
good	135	16277	51988	3767076	-0.00553	-0.00175
political	37	16277	14989	3767076	-0.00171	-0.00186
key	24	16277	11153	3767076	-0.00149	-0.00218
wise	17	16277	8316	3767076	-0.00117	-0.00228
major	23	16277	12378	3767076	-0.00188	-0.00247
difficult	37	16277	21663	3767076	-0.00349	-0.00263
business	34	16277	20218	3767076	-0.00329	-0.00265
policy	50	16277	33192	3767076	-0.00576	-0.00284
strategic	21	16277	15104	3767076	-0.00273	-0.00294
court	17	16277	52765	3767076	-0.01302	-0.00406

Appendix 2. Semantic classification of modifiers of *decision*

Group	<i>Make</i>	<i>Take</i>	<i>Reach</i>
1. 'Difficult'	<i>tough, hard, difficult</i>	<i>tough, hard, difficult</i>	–
2. 'Good or correct'	<i>good, right, sound, smart, correct, rational, wise, appropriate, effective, positive</i>	<i>right, appropriate, proper, wise, correct, positive.</i>	<i>correct, sound, fair, rational, positive, appropriate, balanced, effective, timely</i>
3. 'Poor or wrong'	<i>wrong, bad, poor</i>	<i>wrong</i>	–
4. 'Important'	<i>critical, strategic, big, important, crucial, key, major</i>	<i>strategic, major, key, crucial, historic, important, main, significant</i>	–
5. 'Based on good information'	<i>informed, well-informed</i>	–	–
6. 'Made quickly'	<i>quick, *smart</i>	<i>quick</i>	<i>quick</i>
7. 'Made by everyone or most people'	–	<i>unanimous, collective, joint</i>	<i>unanimous, group, joint, collective, collaborative, majority, common, consensus, consensual</i>
8. 'Done deliberately'	<i>conscious</i>	<i>conscious, deliberate</i>	–
9. 'That people disagree about'	–	–	–
10. [No label] ¹	<i>financial, business, purchase, buying, funding, purchasing, investment</i>	<i>policy, economic</i>	–
Unclassified	<i>final, medical, healthy, different, treatment, life, independent, data-driven, career, personal</i>	<i>necessary, brave, unilateral, courageous, independent, bold, courageous, formal, political, similar, different, new, relevant</i>	<i>concrete, final, different, judicial, similar, clear, formal, conclusive, particular, new, mutual, optimal, regulatory</i>
Doubly classified	<i>intelligent</i> (Groups 2 and 6) <i>responsible</i> (Groups 2 and 4)	<i>firm</i> (Groups 1 and 2)	<i>firm</i> (Groups 1 and 2)

Appendix 3. Second-order co-occurrences with *decision* as base (supplementary tables)

C₁: *make*

C ₂	F(C ₁ +C ₂) _B	F(C ₁) _B	F(C ₂) _B	F(B)	ΔP(C ₂ C ₁)	ΔP(C ₁ C ₂)
deliberate	537	688285	1748	3767076	0.00039	0.12456

¹ Group 10 is the only one that does not receive a semantic description in the MCD entry for *decision*. The dictionary offers a grammatical description (“n+N”) of this group of modifiers of *decision* but it does not assign them any gloss or definition.

collective	726	688285	3463	3767076	0.00017	0.02696
joint	484	688285	2330	3767076	0.00010	0.02503
consensual	21	688285	178	3767076	-0.00002	-0.06474
common	108	688285	822	3767076	-0.00007	-0.05134
collaborative	148	688285	1105	3767076	-0.00010	-0.04879
group	419	688285	2740	3767076	-0.00015	-0.02981
consensus	56	688285	1150	3767076	-0.00027	-0.13406
majority	27	688285	2552	3767076	-0.00078	-0.17225
unanimous	248	688285	8566	3767076	-0.00234	-0.15411

C₁: take

<i>C₂</i>	$F(C_1+C_2)_B$	$F(C_1)_B$	$F(C_2)_B$	$F(B)$	$\Delta P(C_2 C_1)$	$\Delta P(C_1 C_2)$
consensual	7	91775	178	3767076	0.00003	0.01496
common	30	91775	822	3767076	0.00011	0.01214
well-informed	49	91775	1699	3767076	0.00008	0.00448
majority	52	91775	2552	3767076	-0.00011	-0.00399
informed	840	91775	45131	3767076	-0.00290	-0.00582
consensus	11	91775	1150	3767076	-0.00019	-0.01480
collaborative	8	91775	1105	3767076	-0.00021	-0.01713
group	17	91775	2740	3767076	-0.00056	-0.01817
poor	29	91775	6557	3767076	-0.00146	-0.01997

C₁: reach

<i>C₂</i>	$F(C_1+C_2)_B$	$F(C_1)_B$	$F(C_2)_B$	$F(B)$	$\Delta P(C_2 C_1)$	$\Delta P(C_1 C_2)$
significant	10	16277	2796	3767076	-0.00013	-0.00074
historic	8	16277	2358	3767076	-0.00014	-0.00093
crucial	10	16277	3403	3767076	-0.00029	-0.00138
wrong	14	16277	5602	3767076	-0.00063	-0.00182
economic	9	16277	4811	3767076	-0.00073	-0.00245
purchasing	11	16277	7078	3767076	-0.00121	-0.00277
financial	9	16277	9217	3767076	-0.00190	-0.00335
purchase	4	16277	4626	3767076	-0.00099	-0.00346
buying	2	16277	2434	3767076	-0.00053	-0.00350
tough	7	16277	14481	3767076	-0.00343	-0.00385
poor	2	16277	6557	3767076	-0.00162	-0.00402
hard	2	16277	8205	3767076	-0.00206	-0.00409
bad	3	16277	12667	3767076	-0.00319	-0.00410
main	0	16277	901	3767076	-0.00024	-0.00432
deliberate	0	16277	1748	3767076	-0.00047	-0.00432
conscious	0	16277	8654	3767076	-0.00231	-0.00433

Appendix 4. Second-order co-occurrences with *attention* as base

C₁: pay

C ₂	F(C ₁ +C ₂) _B	F(C ₁) _B	F(C ₂) _B	F(B)	ΔP(C ₂ C ₁)	ΔP(C ₁ C ₂)
close	23368	312215	30520	2110071	0.07087	0.62676
slight	199	312215	340	2110071	0.00056	0.43740
particular	17337	312215	40311	2110071	0.04275	0.28761
strict	330	312215	783	2110071	0.00080	0.27359
especial	132	312215	364	2110071	0.00029	0.21471
sufficient	796	312215	2235	2110071	0.00175	0.20841
careful	3495	312215	10330	2110071	0.00739	0.19131
insufficient	603	312215	1840	2110071	0.00124	0.17991
special	20762	312215	65701	2110071	0.04150	0.17344
scant	768	312215	2442	2110071	0.00153	0.16673
real	206	312215	767	2110071	0.00035	0.12066
due	984	312215	3670	2110071	0.00166	0.12037
keen	311	312215	1193	2110071	0.00051	0.11279
good	673	312215	2649	2110071	0.00106	0.10623
main	187	312215	763	2110071	0.00028	0.09716
big	102	312215	424	2110071	0.00015	0.09262
great	4772	312215	20243	2110071	0.00668	0.08862
extra	1335	312215	5880	2110071	0.00175	0.07930
equal	425	312215	1928	2110071	0.00053	0.07254
specific	1079	312215	5021	2110071	0.00126	0.06709
explicit	114	312215	557	2110071	0.00012	0.05672
adequate	410	312215	2013	2110071	0.00042	0.05577
inadequate	136	312215	724	2110071	0.00011	0.03989
serious	1009	312215	5421	2110071	0.00078	0.03826
utmost	227	312215	1314	2110071	0.00012	0.02481
proper	575	312215	3422	2110071	0.00026	0.02010
minimal	101	312215	606	2110071	0.00004	0.01871
deep	70	312215	497	2110071	-0.00001	-0.00712
detailed	94	312215	772	2110071	-0.00008	-0.02621
limited	142	312215	1401	2110071	-0.00025	-0.04664
high	200	312215	1997	2110071	-0.00036	-0.04786
huge	74	312215	784	2110071	-0.00016	-0.05360
maximum	71	312215	777	2110071	-0.00017	-0.05661
complete	85	312215	933	2110071	-0.00020	-0.05689
appropriate	101	312215	1113	2110071	-0.00024	-0.05725
meticulous	178	312215	2178	2110071	-0.00054	-0.06631
considerable	650	312215	8426	2110071	-0.00224	-0.07111
significant	414	312215	5597	2110071	-0.00156	-0.07419
necessary	67	312215	912	2110071	-0.00026	-0.07453

rapt	169	312215	2363	2110071	-0.00068	-0.07653
additional	105	312215	1779	2110071	-0.00059	-0.08902
full	664	312215	11826	2110071	-0.00408	-0.09233
constant	194	312215	3626	2110071	-0.00129	-0.09462
strong	94	312215	2253	2110071	-0.00090	-0.10636
critical	95	312215	2464	2110071	-0.00101	-0.10954
urgent	72	312215	5427	2110071	-0.00275	-0.13504
personal	104	312215	9096	2110071	-0.00467	-0.13712
individual	86	312215	7769	2110071	-0.00400	-0.13740
immediate	89	312215	10104	2110071	-0.00529	-0.13983
media	93	312215	33234	2110071	-0.01814	-0.14749

C₁: give

C ₂	F(C ₁ +C ₂) _B	F(C ₁) _B	F(C ₂) _B	F(B)	$\Delta P(C_2 C_1)$	$\Delta P(C_1 C_2)$
due	976	56961	3670	2110071	0.01582	0.23936
priority	262	56961	1024	2110071	0.00423	0.22898
equal	483	56961	1928	2110071	0.00778	0.22373
ample	81	56961	410	2110071	0.00126	0.17060
primary	107	56961	553	2110071	0.00166	0.16654
proper	643	56961	3422	2110071	0.00993	0.16117
adequate	378	56961	2013	2110071	0.00584	0.16094
appropriate	190	56961	1113	2110071	0.00289	0.14379
sufficient	352	56961	2235	2110071	0.00526	0.13064
detailed	121	56961	772	2110071	0.00181	0.12979
necessary	129	56961	912	2110071	0.00188	0.11450
special	9048	56961	65701	2110071	0.13125	0.11428
explicit	76	56961	557	2110071	0.00110	0.10948
inadequate	90	56961	724	2110071	0.00127	0.09735
insufficient	227	56961	1840	2110071	0.00320	0.09646
specific	584	56961	5021	2110071	0.00809	0.08953
focused	194	56961	1676	2110071	0.00268	0.08883
serious	620	56961	5421	2110071	0.00855	0.08760
full	1234	56961	11826	2110071	0.01650	0.07779
scant	254	56961	2442	2110071	0.00339	0.07711
utmost	123	56961	1314	2110071	0.00158	0.06665
particular	3677	56961	40311	2110071	0.04671	0.06547
complete	84	56961	933	2110071	0.00106	0.06307
individual	659	56961	7769	2110071	0.00811	0.05804
constant	300	56961	3626	2110071	0.00365	0.05584
extra	434	56961	5880	2110071	0.00497	0.04695
undivided	309	56961	4237	2110071	0.00351	0.04603
major	79	56961	1107	2110071	0.00089	0.04439

recent	132	56961	1875	2110071	0.00147	0.04344
good	183	56961	2649	2110071	0.00201	0.04214
limited	96	56961	1401	2110071	0.00105	0.04156
personal	526	56961	9096	2110071	0.00506	0.03097
great	1162	56961	20243	2110071	0.01111	0.03070
considerable	465	56961	8426	2110071	0.00429	0.02830
careful	555	56961	10330	2110071	0.00498	0.02686
high	89	56961	1997	2110071	0.00063	0.01759
significant	249	56961	5597	2110071	0.00177	0.01754
one-on-one	67	56961	1510	2110071	0.00047	0.01739
additional	75	56961	1779	2110071	0.00049	0.01518
sustained	72	56961	2109	2110071	0.00027	0.00715
critical	81	56961	2464	2110071	0.00026	0.00589
personalized	80	56961	2518	2110071	0.00022	0.00478
urgent	119	56961	5427	2110071	-0.00050	-0.00508
immediate	183	56961	10104	2110071	-0.00162	-0.00893
medical	445	56961	26350	2110071	-0.00481	-0.01023
media	474	56961	33234	2110071	-0.00763	-0.01294
close	385	56961	30520	2110071	-0.00792	-0.01459
international	95	56961	16418	2110071	-0.00628	-0.02137
public	89	56961	17471	2110071	-0.00690	-0.02208
national	80	56961	16180	2110071	-0.00644	-0.02222

C₁: devote

C ₂	F(C ₁ +C ₂) _B	F(C ₁) _B	F(C ₂) _B	F(B)	ΔP(C ₂ C ₁)	ΔP(C ₁ C ₂)
timely	57	9333	275	2110071	0.00600	0.20288
full-time	22	9333	157	2110071	0.00229	0.13571
entire	43	9333	351	2110071	0.00446	0.11810
considerable	499	9333	8426	2110071	0.04969	0.05502
substantial	51	9333	903	2110071	0.00506	0.05208
whole	24	9333	524	2110071	0.00233	0.04139
especial	15	9333	364	2110071	0.00144	0.03679
full	467	9333	11826	2110071	0.04463	0.03526
sufficient	80	9333	2235	2110071	0.00755	0.03140
focused	58	9333	1676	2110071	0.00544	0.03021
primary	17	9333	553	2110071	0.00157	0.02633
excessive	10	9333	343	2110071	0.00091	0.02474
equal	56	9333	1928	2110071	0.00511	0.02465
significant	162	9333	5597	2110071	0.01477	0.02459
systematic	9	9333	350	2110071	0.00080	0.02129
main	18	9333	763	2110071	0.00157	0.01917
major	26	9333	1107	2110071	0.00227	0.01907
extensive	19	9333	827	2110071	0.00165	0.01856

appropriate	23	9333	1113	2110071	0.00195	0.01625
insufficient	35	9333	1840	2110071	0.00289	0.01461
complete	17	9333	933	2110071	0.00139	0.01380
explicit	10	9333	557	2110071	0.00081	0.01353
special	1108	9333	65701	2110071	0.08797	0.01284
particular	675	9333	40311	2110071	0.05346	0.01256
necessary	15	9333	912	2110071	0.00118	0.01203
adequate	30	9333	2013	2110071	0.00227	0.01049
additional	26	9333	1779	2110071	0.00195	0.01020
specific	67	9333	5021	2110071	0.00482	0.00894
great	261	9333	20243	2110071	0.01845	0.00855
maximum	10	9333	777	2110071	0.00071	0.00845
sustained	24	9333	2109	2110071	0.00158	0.00696
limited	14	9333	1401	2110071	0.00084	0.00557
serious	54	9333	5421	2110071	0.00323	0.00555
scant	22	9333	2442	2110071	0.00121	0.00459
undivided	36	9333	4237	2110071	0.00186	0.00408
recent	14	9333	1875	2110071	0.00061	0.00305
utmost	9	9333	1314	2110071	0.00034	0.00243
extra	39	9333	5880	2110071	0.00140	0.00222
scholarly	12	9333	1864	2110071	0.00040	0.00202
critical	15	9333	2464	2110071	0.00044	0.00167
high	11	9333	1997	2110071	0.00023	0.00109
proper	18	9333	3422	2110071	0.00031	0.00084
due	15	9333	3670	2110071	-0.00013	-0.00034
constant	11	9333	3626	2110071	-0.00054	-0.00139
careful	31	9333	10330	2110071	-0.00158	-0.00143
personal	27	9333	9096	2110071	-0.00142	-0.00146
individual	19	9333	7769	2110071	-0.00165	-0.00198
close	55	9333	30520	2110071	-0.00861	-0.00266
media	52	9333	33234	2110071	-0.01022	-0.00290
public	15	9333	17471	2110071	-0.00670	-0.00359

Appendix 5. Semantic classification of modifiers of *attention*

Group	<i>Pay</i>	<i>Give</i>	<i>Devote</i>
1. 'Complete'		<i>full, complete, undivided, focused, considerable, major</i>	<i>entire, considerable, substantial, whole, full, focused, major, extensive, complete, undivided</i>
2. 'Little'	<i>insufficient, scant, inadequate, slight</i>	<i>inadequate, insufficient, scant, limited</i>	<i>insufficient, limited, scant,</i>
3. 'Not wanted'	–	–	–

4. 'Careful'	<i>close, particular, especial, careful, special, specific, strict</i>	<i>detailed, special, specific, particular, careful, significant, great</i>	<i>especial, significant, systematic, special, particular, specific, great</i>
Unclassified	<i>keen, good, main, big, great, extra, equal, adequate, explicit, serious, utmost, minimal, sufficient, due, real, proper</i>	<i>due, priority, equal, ample, primary, proper, adequate, appropriate, sufficient, necessary, explicit, serious, utmost, good, individual, constant, extra, high, additional, recent, sustained, critical, one-on-one, personal, personalized</i>	<i>timely, full-time, sufficient, primary, excessive, equal, main, appropriate, explicit, necessary, adequate, additional, maximum, sustained, serious, recent, utmost, extra, scholarly, critical, high, proper</i>
Doubly classified	<i>great</i> (Groups 1 and 4)	<i>great</i> (Groups 1 and 4)	<i>great</i> (Groups 1 and 4)

Appendix 6. Second-order co-occurrences with *attention* as base (supplementary tables)

C₁: *pay*

C ₂	F(C ₁ +C ₂) _B	F(C ₁) _B	F(C ₂) _B	F(B)	ΔP(C ₂ C ₁)	ΔP(C ₁ C ₂)
major	61	312215	1107	2110071	-0.00039	-0.09291
substantial	47	312215	903	2110071	-0.00033	-0.09596
extensive	37	312215	827	2110071	-0.00032	-0.10326
focused	21	312215	1676	2110071	-0.00085	-0.13554
entire	4	312215	351	2110071	-0.00018	-0.13659
whole	4	312215	524	2110071	-0.00028	-0.14037
undivided	27	312215	4237	2110071	-0.00226	-0.14188

C₁: *give*

C ₂	F(C ₁ +C ₂) _B	F(C ₁) _B	F(C ₂) _B	F(B)	ΔP(C ₂ C ₁)	ΔP(C ₁ C ₂)
whole	64	56961	524	2110071	0.00090	0.09517
entire	31	56961	351	2110071	0.00039	0.06133
substantial	54	56961	903	2110071	0.00053	0.03282
extensive	43	56961	827	2110071	0.00037	0.02501

Appendix 7. Extended co-occurrence patterns with *decision* as base (multiword sketches)

C₁: <i>make</i>		C₁: <i>take</i>		C₁: <i>reach</i>	
C ₂	Score	C ₂	Score	C ₂	Score
informed	11.11	informed	7.05	unanimous	7.39
conscious	8.29	unanimous	6.55	consensual	5.09
wise	7.98	unilateral	6.53	consensus	4.92

final	7.87	bold	6.41	informed	4.83
right	7.86	conscious	6.17	conclusive	4.64
difficult	7.85	tough	5.74	final	3.68
tough	7.80	courageous	5.71	judicial	3.35
purchasing	7.46	difficult	5.60	landmark	2.93
sound	7.20	brave	5.53	majority	2.71
investment	7.09	wise	5.49	balanced	2.23
rational	6.86	well-informed	5.21	rational	2.17
well-informed	6.81	deliberate	4.94	wise	2.06
wrong	6.77	strategic	4.62	mutual	1.92
strategic	6.76	right	4.61	joint	1.92
purchase	6.50	wrong	4.49	correct	1.87
responsible	6.48	crucial	4.43	collective	1.86
intelligent	6.37	firm	4.01	timely	1.86
data-driven	6.32	necessary	3.99	optimal	1.80
buying	6.32	investment	3.96	purchasing	1.60
important	6.18	appropriate	3.94	investment	1.60
quick	6.13	correct	3.84	sound	1.53
bad	6.11	policy	3.70	firm	1.31
good	6.09	important	3.58	difficult	1.10
correct	6.07	collective	3.51	fair	1.09
policy	5.99	hard	3.45	right	0.80
funding	5.90	quick	3.22	quick	0.70
crucial	5.76	majority	3.16	concrete	0.56
critical	5.76	formal	2.78	buying	0.46
hard	5.72	political	2.64	funding	0.45
treatment	5.55	key	2.36	collaborative	0.41
poor	5.48	historic	2.31	wrong	0.40
financial	5.41	consensual	2.29	regulatory	0.26
deliberate	5.30	major	2.22	crucial	-0.06
business	5.25	independent	2.14	formal	-0.11
appropriate	5.05	proper	2.11	appropriate	-0.16
healthy	5.05	joint	2.09	policy	-0.33
career	4.98	joint	2.09	clear	-0.35
key	4.81	relevant	2.04	treatment	-0.46
effective	4.81	consensus	1.97	important	-0.55
independent	4.79	critical	1.87	positive	-0.57
management	4.70	bad	1.34	strategic	-0.58
collective	4.67	similar	1.24	similar	-0.64
medical	4.50	business	1.22	purchase	-0.64
life	4.45	positive	1.20	court	-0.70
design	4.42	management	1.13	tough	-0.77
positive	4.40	good	0.69	effective	-1.13

major	4.38	financial	0.68	common	-1.28
unanimous	4.27	significant	0.58	different	-1.52
big	3.98	big	0.54	political	-1.54
political	3.90	economic	0.45	good	-1.60
joint	3.75	recent	0.25	historic	-1.62
personal	3.65	main	0.13	group	-1.80
group	2.58	poor	-0.24	particular	-1.86
collaborative	2.45	different	-0.68	key	-1.89
different	2.25	common	-1.20	business	-2.15
consensus	2.09	collaborative	-1.60	major	-2.25
smart	1.50	group	-1.82	significant	-2.80
consensual	0.83	new	-2.71	financial	-3.30
majority	0.74			economic	-3.45
common	0.44			bad	-3.85
				poor	-4.06
				hard	-4.24
				new	-5.21
				deliberate	–
				conscious	–
				main	–

Appendix 8. Extended co-occurrence patterns with *attention* as base (multiword sketches)

<i>C₁: pay</i>		<i>C₁: give</i>		<i>C₁: devote</i>	
<i>C₂</i>	Score	<i>C₂</i>	Score	<i>C₂</i>	Score
close	9.46	undivided	7.56	undivided	6.03
careful	8.54	scant	7.13	especial	5.39
particular	8.13	due	6.51	considerable	5.33
scant	7.37	careful	6.40	focused	5.19
special	7.33	focused	6.18	scant	4.91
insufficient	6.49	special	6.17	insufficient	3.63
due	6.18	particular	5.96	recent	3.63
sufficient	5.76	insufficient	5.86	particular	3.54
keen	5.43	considerable	5.11	special	3.15
extra	5.38	utmost	5.10	timely	2.98
rapt	5.32	equal	5.08	sufficient	2.89
considerable	5.32	adequate	5.01	sustained	2.50
meticulous	5.21	sufficient	4.89	careful	2.50
utmost	5.15	priority	4.79	equal	2.08
especial	4.95	proper	4.61	full	2.01
strict	4.82	one-on-one	4.42	utmost	1.85
adequate	4.81	inadequate	4.41	substantial	1.83

serious	4.73	constant	4.31	adequate	1.49
equal	4.63	serious	4.14	full-time	1.35
proper	4.30	personalized	4.04	significant	1.22
inadequate	4.27	ample	4.01	explicit	1.19
slight	4.19	extra	3.89	scholarly	1.16
great	4.10	urgent	3.85	close	0.92
explicit	3.78	explicit	3.80	excessive	0.68
specific	3.64	sustained	3.76	serious	0.66
constant	3.44	close	3.64	due	0.64
minimal	3.20	individual	3.46	extra	0.46
urgent	2.70	full	3.39	systematic	0.25
undivided	2.54	immediate	3.17	great	-0.08
significant	2.49	specific	2.81	media	-0.12
full	2.46	personal	2.67	specific	-0.30
limited	2.25	medical	2.53	extensive	-0.38
immediate	1.94	necessary	2.52	entire	-0.46
focused	1.93	appropriate	2.36	proper	-0.49
maximum	1.71	detailed	2.16	necessary	-0.52
necessary	1.40	great	2.07	constant	-0.53
substantial	1.37	limited	1.82	appropriate	-0.64
appropriate	1.34	significant	1.82	maximum	-0.83
detailed	1.08	substantial	1.81	limited	-0.90
critical	1.08	media	1.53	complete	-1.21
real	1.00	primary	1.10	critical	-1.45
complete	0.98	complete	1.06	additional	-1.47
main	0.85	critical	0.95	whole	-1.51
good	0.71	extensive	0.74	primary	-1.53
deep	0.70	recent	0.36	personal	-1.59
huge	0.55	additional	0.04	individual	-1.63
additional	0.47	whole	-0.12	major	-2.07
individual	0.45	national	-0.47	main	-2.47
extensive	0.37	major	-0.48	public	-3.71
personal	0.29	international	-0.49	high	-4.53
strong	0.18	entire	-0.96		
high	-0.36	public	-1.15		
big	-0.38	good	-1.16		
major	-0.89	high	-1.52		
media	-1.35				
entire	-3.98				
whole	-4.18				
