

Annex

The following tables contain frequency data used in Figure 6. The number of documents that belongs to a given category is indicated in parenthesis. First columns contain the number of occurrences of words unique to the corresponding category. In the case of common words, the number of occurrences are displayed in left + right frequency format in both categories.

a) Frequency data broken down by category

Card games (3 500)			Dice games (1 197)		
Unique	Common		Common		Unique
52 ms	13 448 + 1 631	card	1 171 + 134	deck	14 formule
39 munchkin	10 620 + 3 488	player	1 028 + 213	played	13 tuchulcha
32 reader	9 245 + 3 539	game	702 + 510	piece	13 hamster
30 jack	902 + 2 109	dice	757 + 435	battle	11 flounder
29 balderdash	2 262 + 612	play	898 + 275	playing	10 pollyanna
26 ttg	1 970 + 837	turn	684 + 479	die	9 justinian
26 ma	1 844 + 934	board	841 + 310	start	8 pellet
24 explosive	2 100 + 636	point	884 + 155	round	8 isonzo
22 pageant	1 443 + 891	move	750 + 280	opponent	8 cylinder
22 circus	1 266 + 587	rule	751 + 278	base	8 crete
21 virus	1 384 + 432	win	711 + 290	color	7 wff
20 witness	704 + 923	roll	725 + 269	high	7 warmaster
20 arrest	1 109 + 433	number	595 + 339	combat	7 romanum
19 assyrian	1 154 + 385	set	680 + 248	make	7 dicemouths
19 amulet	957 + 503	space	592 + 321	war	6 mordred
18 cribbage	1 089 + 355	score	760 + 113	draw	6 moorish
17 trait	1 289 + 104	hand	588 + 257	back	6 moonstar
17 ration	993 + 397	time	566 + 274	box	6 bunco
16 shoe	970 + 401	include	576 + 261	race	6 attica
16 predator	1 008 + 308	end	616 + 221	special	5 tub

b) Frequency data broken down by mechanism

Bidding (405)			Pattern recognition (318)		
Unique	Common		Common		Unique
218 auction	1278 + 810	player	94 + 78	hand	51 diagonal
108 bidding	982 + 633	game	101 + 67	time	40 vertical
107 monopoly	886 + 604	card	97 + 69	make	34 horizontal
95 property	183 + 265	board	48 + 117	color	20 toe
64 price	213 + 163	point	13 + 148	row	20 tac
60 war	172 + 168	turn	89 + 70	start	19 tic
42 bids	45 + 292	piece	97 + 61	deck	19 peg
40 cash	166 + 164	play	125 + 33	high	16 edge
36 bidder	165 + 145	win	15 + 140	word	16 cs
26 bet	121 + 127	move	71 + 80	place	15 uno
24 sale	121 + 118	score	60 + 85	opponent	14 alignment
23 income	235 + 2	bid	71 + 64	space	13 labyrinth
22 trump	131 + 88	number	133 + 2	buy	13 correctly
22 paid	119 + 82	set	61 + 69	playing	13 code
22 major	74 + 124	tiles	55 + 71	object	13 chess
22 auctioneer	194 + 3	money	55 + 70	dice	12 spin
20 camel	102 + 93	rule	75 + 49	include	12 paths
18 valued	139 + 52	end	79 + 41	aft	12 jug
18 ingredient	133 + 43	round	25 + 91	square	12 bingo
18 18xx	68 + 104	played	90 + 21	race	11 maze

c) Frequency data broken down by the number of players

Maximum two players (2367)			Minimum three players (6180)		
Unique	Common		Common		Unique
33 ocs	5 988 + 14 088	game	1 016 + 778	war	112 guest
18 qi	3 764 + 15 580	player	778 + 943	opponent	98 dealer
15 siegfried	1 587 + 11 709	card	446 + 1 269	played	72 ms
14 nva	1 137 + 3 289	board	906 + 703	combat	72 chicken
14 meuse	1 182 + 2 877	turn	317 + 1 255	start	69 doctor
14 armoured	1 109 + 2 670	move	531 + 1 024	base	63 thief
14 anzio	938 + 2 696	play	433 + 1 101	playing	60 thief
13 potomac	743 + 2 887	point	271 + 1 256	roll	58 funny
13 parachute	1 450 + 1 758	rule	158 + 1 341	hand	57 bids
13 gunther	1 321 + 1 454	piece	302 + 1 190	make	55 monkey
12 volley	521 + 2 075	win	413 + 1 032	die	54 wine
12 gryb	592 + 1 611	time	315 + 1 027	high	53 bunny
12 gloire	877 + 1 272	include	726 + 598	map	49 dinner
12 fulda	1316 + 805	battle	330 + 979	color	48 fishing
12 brunhild	438 + 1 638	space	330 + 943	box	48 18xx
12 bastogne	496 + 1 559	dice	378 + 895	world	47 mouse
12 attaque	575 + 1 478	set	128 + 1 136	round	47 cave
12 arvn	400 + 1 597	number	817 + 423	counters	45 mansion
11 saratoga	234 + 1 622	score	200 + 998	deck	44 tracts
11 salvo	363 + 1 463	end	272 + 923	back	44 riddle

d) Frequency data broken down by minimum age

Games for children (5733)			Games for grown-ups (2993)		
Unique	Common		Unique		
242 marble	12494 + 7987	game	322 + 1499	war	63 victis
66 frog	13919 + 5640	player	1368 + 367	opponent	63 vae
58 dexterity	10544 + 2904	card	1233 + 499	played	48 18xx
43 spinning	3503 + 962	board	407 + 1227	combat	41 israeli
42 disney	2592 + 1525	turn	1189 + 402	start	34 warsaw
38 pokmon	2968 + 846	move	978 + 603	base	33 poland
38 bingo	2537 + 1176	play	1255 + 310	roll	33 ocs
35 basket	2588 + 1125	point	1007 + 551	playing	26 tcs
33 mole	1392 + 1874	rule	1052 + 482	make	25 asl
33 heroquest	2283 + 510	piece	1248 + 261	hand	24 columbia
31 igloo	2038 + 595	win	974 + 490	die	23 guadalcanal
29 underneath	1276 + 973	time	906 + 451	high	22 pageant
28 turtle	980 + 1219	include	351 + 989	map	22 barpha
28 rhyme	665 + 1494	battle	953 + 364	color	19 ukraine
27 stamp	1669 + 440	dice	575 + 729	world	19 suez
26 ttg	1333 + 757	set	787 + 517	box	18 sniper
26 slap	1595 + 490	space	980 + 297	round	18 hooker
26 ape	1497 + 530	number	231 + 1021	counters	18 eto
25 crocodile	1597 + 299	score	844 + 378	back	18 composition
25 alhambra	1278 + 570	end	932 + 280	deck	18 chronopia

e) Frequency data broken down by playing time

Short (4558)			Long (4168)		
Unique	Common		Unique		
38 pokmon	9505 + 10976	game	228 + 1593	war	64 airborne
25 alhambra	11311 + 8248	player	1227 + 508	opponent	62 stalingrad
21 lever	9406 + 4042	card	1047 + 685	played	48 18xx
20 swimmer	2640 + 1825	board	281 + 1353	combat	42 rommel
20 puck	2164 + 1953	turn	958 + 633	start	41 israeli
20 pac	2502 + 1312	move	704 + 877	base	41 countersheets
20 diceland	2096 + 1617	play	977 + 588	roll	40 sp
19 octagon	2212 + 1501	point	827 + 731	playing	40 countersheet
19 digit	1021 + 2245	rule	827 + 707	make	34 commonwealth
17 trunk	2073 + 720	piece	1091 + 418	hand	33 poland
17 tilt	1758 + 875	win	775 + 689	die	33 ocs
17 sandwich	985 + 1264	time	735 + 622	high	33 ardenes
17 carcassonne	711 + 1488	include	184 + 1156	map	32 geomorphic
16 peon	402 + 1757	battle	862 + 455	color	31 mapsheets
16 mancala	1331 + 778	dice	339 + 965	world	31 dresses
15 siegfried	1067 + 1023	set	651 + 653	box	31 afrika
15 pipe	1316 + 769	space	861 + 416	round	30 vietnamese
15 pellet	1260 + 767	number	156 + 1096	counters	30 simonitch
15 hamster	1440 + 456	score	659 + 563	back	29 tobruk
14 wink	1047 + 801	end	844 + 368	deck	26 zulu

f) Frequency data broken down by publication year

Old games (4273)			New games (4453)		
Unique	Common			Unique	
41 metagaming	10135 + 10346	game	807 + 1014	war	63 victis
32 yacht	9081 + 10478	player	870 + 865	opponent	63 vae
29 microgames	4774 + 8674	card	774 + 958	played	42 booster
26 ttg	2390 + 2075	board	969 + 665	combat	39 munchkin
24 tsukada	1956 + 2161	turn	769 + 822	start	38 pokmon
20 pac	2064 + 1750	move	847 + 734	base	33 ocs
20 esp	1549 + 2164	play	811 + 754	roll	33 mole
18 snit	1593 + 2120	point	793 + 765	playing	31 igloo
18 sniper	1839 + 1427	rule	720 + 814	make	30 simonitch
18 coupon	1666 + 1127	piece	572 + 937	hand	25 alhambra
16 momo	1188 + 1445	win	692 + 772	die	22 pageant
15 swain	1058 + 1191	time	573 + 784	high	22 cheapass
14 kassiopeia	1154 + 1045	include	754 + 586	map	22 barpha
14 gobbos	1079 + 1080	battle	518 + 799	color	20 scam
13 waddingtons	989 + 1120	dice	660 + 644	world	20 diceland
13 swise	1013 + 1077	set	719 + 585	box	20 cranium
13 radiation	1145 + 940	space	481 + 796	round	18 eto
13 calculator	913 + 1114	number	713 + 539	counters	18 entdecker
13 bullwinkle	841 + 1055	score	619 + 603	back	18 chronopia
13 archie	798 + 1050	end	422 + 790	deck	17 jar