

# Notes on the Semantic Coding

## Version 1.0

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July 5, 2016

### 1 Introduction

This document contains additional notes on the semantic coding of the data set used in Bell and Schäfer (2016). The data set itself is available at [http://martinschaefer.info/publications/download/Bell\\_and\\_Schaefer\\_2016\\_semantic-coding.zip](http://martinschaefer.info/publications/download/Bell_and_Schaefer_2016_semantic-coding.zip). The stable URL for this document is [http://martinschaefer.info/publications/download/Schaefer\\_2016\\_Notes-on-the-Semantic-Coding.pdf](http://martinschaefer.info/publications/download/Schaefer_2016_Notes-on-the-Semantic-Coding.pdf). Updated versions of this document will be made available there.

The presentation here follows the lemmas in the N1 and N2 families in alphabetically order. The entry for every lemma starts with the compound containing this lemma in the respective position (N1 or N2) from the compound set rated in Reddy et al. (2011). The following table gives an overview of the synset coding for the final data set, using the following column headers:

column header	explanation
wnSense	value of the variable wnSense in the coded data, usually corresponding to the sense number in WordNet
example	example from the coded data
types	number of types in the data
class	word class according to WordNet
WordNet description	gloss (this is taken verbatim from WordNet unless otherwise indicated)

Following the table are any further comments on the WordNet senses as well as on the relational coding. In addition, known mistakes in the coding are listed here.

## 2 N1 families

### 2.1 acid (22 compound types)

Rated compound: *acid test*

wnSense	WordNet description	types	class	example
1	any of various water-soluble compounds having a sour taste and capable of turning litmus red and reacting with a base to form a salt)	17	n	acid alkali
2	street name for lysergic acid diethylamide	2	n	acid experience
3	harsh or corrosive in tone	2	adj	acid tongue
4	being sour to the taste	1	adj	acid tang

Senses 3 and 4 are adjective synsets 1 and 2 in WordNet.

### 2.2 agony (3 compound types)

Rated compound: *agony aunt*

wnSense	WordNet description	types	class	example
1	intense feelings of suffering; acute mental or physical pain	3	n	agony column

Notes: No distinction was made between sense 1 and the second WordNet sense (a state of acute pain).

### 2.3 application (42 compound types)

Rated compound: *application form*

wnSense	WordNet description	types	class	example
1	(the act of bringing something to bear; using it for a particular purpose)	1	n	application area
2	a verbal or written request for assistance or employment or admission to a school	20	n	application document
3	(the work of applying something)	1	n	application technique
4	(a program that gives a computer instructions that provide the user with tools to accomplish a task)	20	n	application server

*Application list* occurs in the BNC with two meanings (chance discovery), bound to two different WordNet senses (in the coding, WordNet sense 2 and relation FOR is used):

- (1) a. BNN 221 Much praised at the Evian conference for a bold offer to absorb up to 100,000 refugees, the Dominican Republic had closed its application list at 2000.  
 b. JXG 19 Use the cursor keys to select "BASIC" from the application list.

## 2.4 balance (12 compound types)

Rated compound: *balance sheet*

wnSense	WordNet description	types	class	example
1	a state of equilibrium	6	n	balance beam
2	equality between the totals of the credit and debit sides of an account	3	n	balance sheet
9	(mathematics) an attribute of a shape or relation; exact reflection of form on opposite sides of a dividing line or plane)	1	n	balance value
10	a weight that balances another weight	1	n	balance engineer
11	(a wheel that regulates the rate of movement in a machine; especially a wheel oscillating against the hairspring of a timepiece to regulate its beat)	10	n	balance wheel

Notes: WordNet sense 11 contains the type: balance wheel, balance (a wheel that regulates the rate of movement in a machine; especially a wheel oscillating against the hairspring of a timepiece to regulate its beat). Group is small but contains three single occurrence WordNet senses.

Mistakes:

*Balance problem* is coded as WordNet sense 2, while in the BNC it only occurs in the context of guitar design and music recording, corresponding to WordNet sense 1 or 10, or, for the latter, 9. *Balance change* does not occur as a compound in the BNC.

## 2.5 bank (61 compound types)

Rated compound: *bank account*

wnSense	WordNet description	types	class	example
1	sloping land (especially the slope beside a body of water)	5	n	bank barn
2	a financial institution that accepts deposits and channels the money into lending activities	52	n	bank job
4	an arrangement of similar objects in a row or in tiers	2	n	bank switch
5	a supply or stock held in reserve for future use (especially in emergencies)	1	n	bank nurse
10	a flight maneuver; aircraft tips laterally about its longitudinal axis (especially in turning)	1	n	bank angle

Notes: Within WordNet sense 2, people working in a bank were either classified with the HAVE2 or the IN relation (cf. *bank boss* and *bank chief* vs. *bank clerk* and *bank cashier*).

## 2.6 blame (1 compound types)

Rated compound: *blame game*

wnSense	WordNet description	types	class	example
1	an accusation that you are responsible for some lapse or misdeed	1	n	blame game

Note: There is only one second WordNet sense *a reproach for some lapse or misdeed*; the compound meaning can also be construed from this meaning.

## 2.7 brass (49 compound types)

Rated compound: *brass ring*

wnSense	WordNet description	types	class	example
1	an alloy of copper and zinc)	43	n	brass foundry
2	a wind instrument that consists of a brass tube (usually of variable length) that is blown by means of a cup-shaped or funnel-shaped mouthpiece)	5	n	brass ensemble
3	the persons (or committees or departments etc.) who make up a body for the purpose of administering something)	1	n	brass hat

## 2.8 brick (26 compound types)

Rated compound: *brick wall*

wnSense	WordNet description	types	class	example
1	rectangular block of clay baked by the sun or in a kiln; used as a building or paving material	26	n	brick terrace

*Brick yard* occurs in the BNC in both the FOR and the MAKE2 construal, cf. (2-a) and (2-b). Note that *brickyard* comes with its own WordNet entry, ‘S: (n) brickyard, brickfield (a place where bricks are made and sold)’, and occurs in the OED as a sub-entry of *brick* n<sup>1</sup> with the meaning ‘brickyard n. a place where bricks are made, a brickfield.’

- (2) a. B0A 1380 Boulton and Watt beam engines pumped out water at both ends, and a brick yard was set up to make the bricks near the site — seven million were used.  
b. CA0 47 Outside they admired a pink brick yard for twenty ponies, which looked like three sides of a Battenberg cake, and an indoor school, completely walled with bullet-proof mirrors.

## 2.9 call (17 compound types)

Rated compound: *call centre*

wnSense	WordNet description	types	class	example
1	a telephone connection	9	n	call log
7	a demand by a broker that a customer deposit enough to bring his margin up to the minimum requirement	1	n	call loan
9	a request	1	n	call button
10	an instruction that interrupts the program being executed	2	n	call instruction
13	the option to buy a given stock (or stock index or commodity future) at a given price before a given date	4	n	call option

## 2.10 car (109 compound types)

Rated compound: *car park*

wnSense	WordNet description	types	class	example
1	a motor vehicle with four wheels; usually propelled by an internal combustion engine	108	n	car commercial
2	a wheeled vehicle adapted to the rails of railroad	1	n	car flat

Notes: Alternative construal for *car flat* compound is ‘flat railroad car for cars’. This construal better fits the actual BNC context, while the coded construal corresponds to *flat car* or *flat wagon*.

## 2.11 case (37 compound types)

Rated compound: *case study*

wnSense	WordNet description	types	class	example
3	a comprehensive term for any proceeding in a court of law whereby an individual seeks a legal remedy	11	n	case file
5	a portable container for carrying several objects)	2	n	case lid
6	a person requiring professional services	18	n	case conference
11	nouns or pronouns or adjectives (often marked by inflection) related in some way to other words in a sentence	4	n	case ending
17	the enclosing frame around a door or window opening	2	n	case base

Notes: Sometimes strings occurred as compounds and as non-compounds in the BNC, cf., e.g., *case slots*, due to the lexical ambiguity of *slots* (noun in the plural or verb in the singular).

- (3) a. EES 521 Typically, the program would look at the words from left to right, and test whether each word in the sentence was a likely candidate for the case slots of the main verb.  
 b. HAC 5089 Fitting a drive to the 2000 series can be tricky because of the way the case slots together and the need to use a 3.5” drive and mount.

While (3) contains an identical string, (4) illustrates a structural ambiguity that, at least in the BNC, is tied to the number of the first noun, with the compound in (4-a) and the two nouns part of two different phrases in (4-b).

- (4) a. EES 482 For a verb such as ‘collide’, all that is specified by the case restrictions is that the object case can be any inanimate entity.

- b. K94 2424 In some cases restrictions placed against imports may take the form of complex (and unnecessarily prohibitive) safety or packaging regulations.

## 2.12 cash (78 compound types)

Rated compound: *cash cow*

wnSense	WordNet description	types	class	example
1	money in the form of bills or coins	77	n	cash point
3	United States country music singer and songwriter (1932-2003)	1	n	cash brother

Notes: WordNet sense 3 used for any personal name usage of *cash* (it is not the singer's name in the BNC context).

## 2.13 chain (31 compound types)

Rated compound: *chain reaction*

wnSense	WordNet description	types	class	example
1	a series of things depending on each other as if linked together	7	n	chain letter
2	(chemistry) a series of linked atoms (generally in an organic molecule)	9	n	chain configuration
3	a series of (usually metal) rings or links fitted into one another to make a flexible ligament	13	n	chain brake
4	(business) a number of similar establishments (stores or restaurants or banks or hotels or theaters) under one ownership	1	n	chain store
9	a linked or connected series of objects	1	n	chain stitch

Notes:

*Chain reaction* is coded as VERB, modeled on *chain smoker*. The latter, though, did not make it into the final selection.

## 2.14 cheat (2 compound types)

Rated compound: *cheat sheet*

wnSense	WordNet description	types	class	example
5	a deception for profit to yourself	2	n	cheat mode

## 2.15 china (27 compound types)

Rated compound: *china clay*

wnSense	WordNet description	types	class	example
1	a communist nation that covers a vast territory in eastern Asia; the most populous country in the world	17	n	china lobby
2	high quality porcelain originally made only in China	10	n	china plate

Notes: WordNet sense 4 *dishware made of high quality porcelain* can alternatively be used for some items, e.g. *china bowl* or *china plate*.

## 2.16 climate (11 compound types)

Rated compound: *climate change*

wnSense	WordNet description	types	class	example
1	the weather in some location averaged over some long period of time	11	n	climate model

## 2.17 cloud (20 compound types)

Rated compound: *cloud nine*

wnSense	WordNet description	types	class	example
2	a visible mass of water or ice particles suspended at a considerable altitude	20	n	cloud bank

## 2.18 cocktail (11 compound types)

Rated compound: *cocktail dress*

wnSense	WordNet description	types	class	example
1	a short mixed drink	11	n	cocktail lounge

## 2.19 couch (2 compound types)

Rated compound: *couch potato*

wnSense	WordNet description	types	class	example
1	an upholstered seat for more than one person	2	n	couch grass



## 2.20 crash (19 compound types)

Rated compound: *crash course*

wnSense	WordNet description	types	class	example
2	a serious accident (usually involving one or more vehicles)	15	n	crash barrier
3	a sudden large decline of business or the prices of stocks (especially one that causes additional failures)	1	n	crash period
18	sleep in a convenient place	1	n	crash pad
19	[very fast, rapid]	2	[adj]	crash dive

Note: WordNet sense 19 added to cover the almost adjectival usage ('very fast, rapid').

## 2.21 credit (63 compound types)

Rated compound: *credit card*

wnSense	WordNet description	types	class	example
1	approval	1	n	credit side
2	money available for a client to borrow	60	n	credit agreement
8	an entry on a list of persons who contributed to a film or written work	1	n	credit sequence
9	an estimate, based on previous dealings, of a person's or an organization's ability to fulfill their financial commitments	1	n	credit rating

WordNet sense 9 contains coded compound in its entry: 'credit rating, credit (an estimate, based on previous dealings, of a person's or an organization's ability to fulfill their financial commitments)'. Since it was impossible to clearly distinguish WordNet sense 2 and 5 ('arrangement for deferred payment for goods and services'), only WordNet sense 2 was used.

## 2.22 crocodile (5 compound types)

Rated compound: *crocodile tears*

wnSense	WordNet description	types	class	example
1	large voracious aquatic reptile having a long snout with massive jaws and sharp teeth and a body covered with bony plates; of sluggish tropical waters	1	n	crocodile farm

## 2.23 cutting (34 compound types)

Rated compound: *cutting edge*

wnSense	WordNet description	types	class	example
1	the activity of selecting the scenes to be shown and putting them together to create a film	2	n	cutting room
3	the act of cutting something into parts	26	n	cutting knife
5	an excerpt cut from a newspaper or magazine	2	n	cutting book
9	[An open, trench-like excavation through a piece of ground that rises above the level of a canal, railway, or road which has to be taken across it.]	1	n	cutting side
A1	(of speech) harsh or hurtful in tone or character	1	adj	cutting disdain
A3	painful as if caused by a sharp instrument	1	adj	cutting wind

Notes:

WordNet sense 9 manually added. The description is a verbatim quote from the OED (cutting, n. 8.).

## 2.24 diamond (20 compound types)

Rated compound: *diamond wedding*

wnSense	WordNet description	types	class	example
1	a transparent piece of diamond that has been cut and polished and is valued as a precious gem	17	n	diamond industry
3	a parallelogram with four equal sides; an oblique-angled equilateral parallelogram	2	n	diamond logo
4	a playing card in the minor suit that has one or more red rhombuses on it	1	n	diamond lead

## 2.25 end (86 compound types)

Rated compound: *end user*

wnSense	WordNet description	types	class	example
1	either extremity of something that has length	49	n	end tent
2	the point in time at which something ends	16	n	end product
3	the final stage or concluding parts of an event or occurrence)	16	n	end game
4	the state of affairs that a plan is intended to achieve and that (when achieved) terminates behavior intended to achieve it	5	n	end objective

Notes:

Very many mishits due to *in the end* and similar constructions (e.g., *end families* resolves to *In the end families ...*). For the first three WordNet senses, the decision between BE/IN proofed difficult. Decided to go with BE for wnSense 1, while for WordNet sense 2 IN was used (except 1 usage of BE for *end date*). For WordNet sense 3, both were used (cf. BE for *end section* vs. IN for *end game*). Due to both factors, coding this family took forever and almost every string was manually checked in the BNC.

## 2.26 engine (54 compound types)

Rated compound: *engine room*

wnSense	WordNet description	types	class	example
1	motor that converts thermal energy to mechanical work	52	n	engine mounting
3	a wheeled vehicle consisting of a self-propelled engine that is used to draw trains along railway tracks	2	n	engine driver

Notes: Very clear differentiation between HAVE2/FOR, cf., e.g., *engine size* vs. *engine oil*.

## 2.27 eye (43 compound types)

Rated compound: *eye candy*

wnSense	WordNet description	types	class	example
1	the organ of sight	43	n	eye patch

Notes:

*Eye witness* coded as ABOUT, because all the other relations did not fit, and neither VERB nor IDIOM were really appropriate either.

## 2.28 face (20 compound types)

Rated compound: *face value*

wnSense	WordNet description	types	class	example
1	the front of the human head from the forehead to the chin and ear to ear	11	n	face cream
8	the side upon which the use of a thing depends (usually the most prominent surface of an object)	9	n	face sheet

## 2.29 fashion (45 compound types)

Rated compound: *fashion plate*

wnSense	WordNet description	types	class	example
3	the latest and most admired style in clothes and cosmetics and behavior	45	n	fashion trend

Notes:

Only WordNet senses 3 and 4 occur in our data. However, because 4 ('consumer goods (especially clothing) in the current mode') and 3 were mostly indistinguishable in the compounds, they were collapsed into 3.

## 2.30 fine (1 compound types)

Rated compound: *fine line*

wnSense	WordNet description	types	class	example
1	minutely precise especially in differences in meaning	1	adj	fine line

## 2.31 firing ( compound types)

Rated compound: *firing line*

wnSense	WordNet description	types	class	example
1	the act of firing weapons or artillery at an enemy	14	n	firing pattern
3	the act of setting something on fire	4	n	firing process

## 2.32 flea (6 compound types)

Rated compound: *flea market*

wnSense	WordNet description	types	class	example
1	any wingless bloodsucking parasitic insect noted for ability to leap	6	n	flea bite

### 2.33 front (5 compound types)

Rated compound: *front runner*

wnSense	WordNet description	types	class	example
1	the side that is forward or prominent	5	n	front entrance

### 2.34 game (60 compound types)

Rated compound: *game plan*

wnSense	WordNet description	types	class	example
1	a contest with rules to determine a winner	17	n	game theory
2	a single play of a sport or other contest	5	n	game teacher
3	an amusement or pastime	13	n	game experience
4	animal hunted for food or sport	21	n	game bird
8	a secret scheme to do something (especially something underhand or illegal)	1	n	game plan
9	the game equipment needed in order to play a particular game	1	n	game fair
12	[proper name]	1	n	game stock

Notes:

WordNet sense 12 manually added (shares by a company named Game). Used WordNet Sense 1 as super-set in cases of doubt; WordNet senses 1-3 not always clearly distinguishable; WordNet Sense 2 used for physical education/games involving sports in school etc. Mistakes:

The coding for *game stock* is wrong, as the BNC context makes it clear that WordNet sense 4 is meant. This makes the added sense 12 superfluous.

### 2.35 gold (102 compound types)

Rated compound: *gold mine*

wnSense	WordNet description	types	class	example
1	coins made of gold	2	n	gold stater
2	a deep yellow color	38	n	gold embroidery
3	a soft yellow malleable ductile (trivalent and univalent) metallic element; occurs mainly as nuggets in rocks and alluvial deposits; does not react with most chemicals but is attacked by chlorine and aqua regia	54	n	gold mine
5	something likened to the metal in brightness or preciousness or superiority etc.	5	n	gold card
6	[gold medal/medallist]	3	n	gold winner

Notes:

Introduced WordNet Sense 6 for gold medal/medallist, in analogy to the WordNet entry for *silver*.

### 2.36 graduate (9 compound types)

Rated compound: *graduate student*

wnSense	WordNet description	types	class	example
1	a person who has received a degree from a school (high school or college or university)	9	n	graduate association

### 2.37 grandfather (1 compound types)

Rated compound: *grandfather clock*

wnSense	WordNet description	types	class	example
1	the father of your father or mother	1	n	grandfather clock

### 2.38 graveyard (1 compound types)

Rated compound: *graveyard shift*

wnSense	WordNet description	types	class	example
1	a tract of land used for burials	1	n	graveyard shift

## 2.39 gravy (4 compound types)

Rated compound: *gravy train*.

wnSense	WordNet description	types	class	example
1	a sauce made by adding stock, flour, or other ingredients to the juice and fat that drips from cooking meats	4	n	gravy bowl

Notes:

Used WordNet sense 1 for *gravy* in *gravy train*, with the relation IDIOM. Note, though, that WordNet gives WordNet sense 3, ‘a sudden happening that brings good fortune (as a sudden opportunity to make money)’, which might actually be related to its usage in the idiom. The OED establishes an explicit link between a somehow related sense and *gravy train*: ‘d. Money easily acquired; an unearned or unexpected bonus; a tip. Hence to ride (board) the gravy train (or boat), to obtain easy financial success. slang (orig. U.S.).’

## 2.40 ground (84 compound types)

Rated compound: *ground floor*.

wnSense	WordNet description	types	class	example
1	the solid part of the earth’s surface	71	n	ground game
4	a relation that provides the foundation for something	11	n	ground rule
5	a position to be won or defended in battle (or as if in battle)	1	n	ground threat
9	a connection between an electrical device and a large conducting body, such as the earth (which is taken to be at zero voltage)	1	n	ground plane

Notes:

Full alignment between WordNet sense 4 and BE.

## 2.41 guilt (5 compound types)

Rated compound: *guilt trip*.

wnSense	WordNet description	types	class	example
2	remorse caused by feeling responsible for some offense	5	n	guilt complex

## 2.42 head ( compound types)

Rated compound: *head teacher*.

wnSense	WordNet description	types	class	example
1	the upper part of the human body or the front part of the body in animals; contains the face and brains	36	n	head gear
4	a person who is in charge	24	n	head servant
7	the top of something	19	n	head stone
9	(grammar) the word in a grammatical constituent that plays the same grammatical role as the whole constituent	2	n	head word
21	forward movement	1	n	head way
24	a line of text serving to indicate what the passage below it is about)	1	n	head line
27	(computer science) a tiny electromagnetic coil and metal pole used to write and read magnetic patterns on a disk	1	n	head arm
34		2	n	head start

Notes:

WordNet sense 21 contains coded compound as synonym. WordNet sense 34 added for *head start* and *head wind*. This group was cumbersome to do, WordNet sense 4 was also used for non-humans (e.g., *head quarter*). WordNet sense 7 for consistency always linked to IN (except for *head string*, coded as BE). As the numbers show, some very small groups with very specific WordNet senses are included.

## 2.43 health (112 compound types)

Rated compound: *health insurance*

wnSense	WordNet description	types	class	example
1	a healthy state of wellbeing free from disease	112	n	health sector

Notes:

No attempt was made to distinguish between the two available WordNet senses (*a healthy state of wellbeing free from disease* vs. *the general condition of body and mind*). This group contained many ABOUT/FOR relations (cf., e.g., *health column* and *health authority*). While mainly unproblematic to code, some could be coded either way, e.g., *health education*.



## 2.44 human (1 compound types)

Rated compound: *human being*

wnSense	WordNet description	types	class	example
3	relating to a person	1	adj	human being

Notes:

WordNet sense 3 was chosen because the illustrating example fits (“*the experiment was conducted on 6 monkeys and 2 human subjects*”). The best fitting WordNet pointer is the one for the noun-sense. As the whole constituent family contains just one member, this decision does not matter here, anyways.

## 2.45 interest (25 compound types)

Rated compound: *interest rate*

wnSense	WordNet description	types	class	example
1	a sense of concern with and curiosity about someone or something	9	n	interest span
4	a fixed charge for borrowing money; usually a percentage of the amount borrowed	16	n	interest rate

## 2.46 ivory (11 compound types)

Rated compound: *ivory tower*

wnSense	WordNet description	types	class	example
1	a hard smooth ivory colored dentine that makes up most of the tusks of elephants and walruses	9	n	ivory carver
2	a shade of white the color of bleached bones	2	n	ivory wall

## 2.47 kangaroo (3 compound types)

Rated compound: *kangaroo court*

wnSense	WordNet description	types	class	example
1	any of several herbivorous leaping marsupials of Australia and New Guinea having large powerful hind legs and a long thick tail)	3	n	kangaroo skin

## 2.48 law (54 compound types)

Rated compound: *law firm*

wnSense	WordNet description	types	class	example
1	the collection of rules imposed by authority	53	n	law student
4	a generalization that describes recurring facts or events in nature	1	n	law table

Notes:

In the BNC, *law table* refers to the biblical tables of law. While the WordNet sense 4 does not match this exactly, it is better than any alternative lest covering it with WordNet sense 1, too. WordNet sense 1 has *jurisprudence* as a collocate, and the coded compounds all refer to worldly law. No attempt was made to distinguish between WordNet sense 1 and other, closely related senses, e.g., WordNet sense 6 ('the learned profession that is mastered by graduate study in a law school and that is responsible for the judicial system').

## 2.49 lip (6 compound types)

Rated compound: *lip service*

wnSense	WordNet description	types	class	example
1	either of two fleshy folds of tissue that surround the mouth and play a role in speaking	6	n	lip mike

## 2.50 lotus (8 compound types)

Rated compound: *lotus position*

wnSense	WordNet description	types	class	example
1	native to eastern Asia; widely cultivated for its large pink or white flowers	6	n	lotus pond
4	[brand name]	2	n	lotus product

Notes:

Introduced WordNet sense 4 to cover the brand name usage in the BNC (either for the racing team or for the software company). The car name *Lotus Elan* and the construction *Lotus name* where both classified as non-compounds. For *Lotus Elan*, this parallels the discussion of *the opera 'Carmen'* in Huddleston et al. (2002, 447, section 14.2).

## 2.51 mailing (3 compound types)

Rated compound: *mailing list*

wnSense	WordNet description	types	class	example
2	the transmission of a letter	3	n	mailing label

## 2.52 melting (10 compound types)

Rated compound: *melting pot*

wnSense	WordNet description	types	class	example
1	the process whereby heat changes something from a solid to a liquid	10	n	melting point

Notes:

Some members of this group could have been classified with the adjectival WordNet sense (*melting frost/glacier/ice/wax*). This was not done, among other things because the relational coding already singles out this group.

## 2.53 memory (48 compound types)

Rated compound: *memory lane*

wnSense	WordNet description	types	class	example
1	something that is remembered	7	n	memory trace
2	the cognitive processes whereby past experience is remembered	19	n	memory span
3	the power of retaining and recalling past experience	2	n	memory drum
4	an electronic memory device	19	n	memory kernel
5	the area of cognitive psychology that studies memory processes	1	n	memory department

## 2.54 monkey (10 compound types)

Rated compound: *monkey business*

wnSense	WordNet description	types	class	example
1	any of various long-tailed primates (excluding the prosimians)	10	n	monkey wrench

## 2.55 nest (6 compound types)

Rated compound: *nest egg*

wnSense	WordNet description	types	class	example
1	a structure in which animals lay eggs or give birth to their young	6	n	nest area

## 2.56 night (116 compound types)

Rated compound: *night owl*

wnSense	WordNet description	types	class	example
1	the time after sunset and before sunrise while it is dark outside	116	n	night visitor

Notes:

Decided to only use WordNet sense 1, though WordNet provides a number of further senses. However, these are semantically very close to WordNet sense one and did not allow one any principled decisions between the senses. Noted a number of combinations that serve as or are contained in titles (e.g., all 3 *night kitchen* occurrences in the BNC are either from *In the night kitchen*, the title of a book by Maurice Sendak, or the name of a theater group he has).

## 2.57 number (24 compound types)

Rated compound: *number crunching*

wnSense	WordNet description	types	class	example
2	the property possessed by a sum or total or indefinite quantity of units or individuals	20	n	number theory
5	a symbol used to represent a number	3	n	number pad
13	[(Bible) Book of Numbers]	1	n	numbers story

Notes:

Added WordNet sense 13.

## 2.58 panda (2 compound types)

Rated compound: *panda car*

wnSense	WordNet description	types	class	example
1	large black-and-white herbivorous mammal of bamboo forests of China and Tibet; in some classifications considered a member of the bear family or of a separate family Ailuropodidae)	2	n	panda population

## 2.59 parking (23 compound types)

Rated compound: *parking lot*

wnSense	WordNet description	types	class	example
1	[The placing or leaving of a vehicle or vehicles in a car park or other designated area, at the side of a road, etc. Also: space reserved or used for the parking of motor vehicles (freq. with modifying word)]	23	n	parking bay

Notes:

The two noun WordNet sense are both not sufficient (*space in which vehicles can be parked and the act of maneuvering a vehicle into a location where it can be left temporarily*). The single sense for parking used instead is a verbatim copy of the OED entry parking 4.a.

## 2.60 pecking (1 compound types)

Rated compound: *pecking order*

wnSense	WordNet description	types	class	example
1	[The action of striking or picking up with the beak; an instance of this.]	1	n	pecking order

Notes:

There is no WordNet entry for the noun *pecking*. The description here corresponds to OED pecking, n.<sup>1</sup>, 1.

## 2.61 polo (10 compound types)

Rated compound: *polo shirt*

wnSense	WordNet description	types	class	example
2	a game similar to field hockey but played on horseback using long-handled mallets and a wooden ball	10	n	polo match

Notes:

WordNet only contains one other sense for *polo*, designating Marco Polo. *Polo shirt* and *polo neck* were both classified as FOR and no new sense was added. Note that the OED has a separate entry 'polo n.<sup>1</sup> 3. b. A polo neck sweater or shirt; (also) a polo shirt.'

## 2.62 public (7 compound types)

Rated compound: *public service*

wnSense	WordNet description	types	class	example
1	people in general considered as a whole	7	n	public access

## 2.63 radio (106 compound types)

Rated compound: *radio station*

wnSense	WordNet description	types	class	example
1	medium for communication	27	n	radio telescope
2	an electronic receiver that detects and demodulates and amplifies transmitted signals	9	n	radio set
3	a communication system based on broadcasting electromagnetic waves	70	n	radio transmission

Notes:

This group contained many instances that could in principle be classified with a number of relations, cf., e.g., *radio news*: news for the radio, news the radio has, news in the radio, news from the radio, or *radio preacher*, which allows all of these but also USE, e.g., preacher who uses the radio. Went by plausibility and group consistency.

## 2.64 rat (22 compound types)

Rated compound: *rat race*, *rat run*

wnSense	WordNet description	types	class	example
1	any of various long-tailed rodents similar to but larger than a mouse	21	n	rat poison
6	[name of a nucleotide/amino-acid sequence]	1	n	RAT part

Notes:

WordNet sense 6 added. Both *rat race* and *rat run* classed as HAVE2, while in Bell and Schäfer (2013) *rat race* was NONE.

## 2.65 research (160 compound types)

Rated compound: *research project*

wnSense	WordNet description	types	class	example
1	systematic investigation to establish facts	160	n	research training

Notes:

The two noun WordNet senses in WordNet were deemed identical (*systematic investigation to establish facts* and *a search for knowledge*).

## 2.66 rocket (14 compound types)

Rated compound: *rocket science*

wnSense	WordNet description	types	class	example
1	any vehicle self-propelled by a rocket engine	14	n	rocket launcher

Notes:

No attempt was made to distinguish the first two WordNet senses, e.g. the one given above and the second one, *a jet engine containing its own propellant and driven by reaction propulsion*.

## 2.67 rock (99 compound types)

Rated compound: *rock bottom*

wnSense	WordNet description	types	class	example
1	a lump or mass of hard consolidated mineral matter	11	n	rock field
2	material consisting of the aggregate of minerals like those making up the Earth's crust	45	n	rock arch
6	a genre of popular music originating in the 1950s; a blend of black rhythm-and-blues with white country-and-western	43	n	rock tour

Notes:

*Rock bottom* is coded as HAVE2, while in Bell and Schäfer (2013) it was coded as BE.

## 2.68 role (8 compound types)

Rated compound: *role model*

wnSense	WordNet description	types	class	example
1	the actions and activities assigned to or required or expected of a person or group	7	n	role reversal
2	an actor's portrayal of someone in a play	1	n	role play

Notes:

This group contained many false hits, due to, e.g., reduced relative clause (cf., e.g., CRS 1842 *the role parents are allowed to play*).

## 2.69 rush (5 compound types)

Rated compound: *rush hour*

wnSense	WordNet description	types	class	example
1	<b>the act of moving hurriedly and in a careless manner</b>	2	n	<b>rush job</b>
3	grasslike plants growing in wet places and having cylindrical often hollow stems	2	n	rush seat
4	[proper name]	1	n	Rush concert

WordNet sense 4 used generically for the proper name *Rush* (instead of the WordNet proper name use for Benjamin Rush, 1745-1813).

## 2.70 sacred (1 compound types)

Rated compound: *sacred cow*

wnSense	WordNet description	types	class	example
1	made or declared or believed to be holy; devoted to a deity or some religious ceremony or use	1	adj	sacred cow

## 2.71 search (56 compound types)

Rated compound: *search engine*

wnSense	WordNet description	types	class	example
1	the activity of looking thoroughly in order to find something or someone	26	n	search consultant
3	an operation that determines whether one or more of a set of items has a specified property	30	n	search window

## 2.72 shrinking (1 compound types)

Rated compound: *shrinking violet*

wnSense	WordNet description	types	class	example
1	process or result of becoming less or smaller	1	n	shrinking violet



## 2.73 silver (138 compound types)

Rated compound: *silver spoon, silver screen, silver bullet*

wnSense	WordNet description	types	class	example
1	a soft white precious univalent metallic element having the highest electrical and thermal conductivity of any metal; occurs in argentite and in free form; used in coins and jewelry and tableware and photography	43	n	silver bar
2	coins made of silver	5	n	silver dollar
3	a light shade of grey	77	n	silver mist
4	silverware eating utensils	12	n	silver plate
5	a trophy made of silver (or having the appearance of silver) that is usually awarded for winning second place in a competition	1	n	silver medal

Note:

WordNet sense 5 contains the compound type in its description: *silver medal, silver (a trophy made of silver (or having the appearance of silver) that is usually awarded for winning second place in a competition)* . Compounds with *silver* with WordNet senses 4 and 2 also allow WordNet sense 1. WordNet sense 3 used for everything that was not real silver.

## 2.74 sitting (3 compound types)

Rated compound: *sitting duck*

wnSense	WordNet description	types	class	example
3	the act of assuming or maintaining a seated position	3	n	sitting room

## 2.75 smoking (6 compound types)

Rated compounds: *smoking gun, smoking jacket*

wnSense	WordNet description	types	class	example
1	the act of smoking tobacco or other substances	5	n	smoking car
5	emitting smoke in great volume	1	adj	smoking gun

## 2.76 snail (3 compound types)

Rated compound: *snail mail*

wnSense	WordNet description	types	class	example
1	freshwater or marine or terrestrial gastropod mollusk usually having an external enclosing spiral shell	3	n	snail body

## 2.77 snake (13 compound types)

Rated compound: *snake oil*

wnSense	WordNet description	types	class	example
1	limbless scaly elongate reptile; some are venomous	8	n	snake charmer
5	something long, thin, and flexible that resembles a snake	5	n	snake cable

Notes:

Perfect example of different WordNet senses capturing a metaphoric shift.

## 2.78 speed (36 compound types)

Rated compound: *speed limit*

wnSense	WordNet description	types	class	example
1	distance travelled per unit time	36	n	speed indicator

Notes:

No attempt was made to differentiate the coded WordNet sense from the following two (*a rate (usually rapid) at which something happens* and *changing location rapidly*).

## 2.79 spelling (11 compound types)

Rated compound: *spelling bee*

wnSense	WordNet description	types	class	example
1	forming words with letters according to the principles underlying accepted usage	11	n	spelling mistake

## 2.80 spinning (1 compound types)

Rated compound: *spinning jenny*

wnSense	WordNet description	types	class	example
1	creating thread	1	n	spinning jenny

## 2.81 swan (10 compound types)

Rated compound: *swan song*

wnSense	WordNet description	types	class	example
1	stately heavy-bodied aquatic bird with very long neck and usually white plumage as adult	10	n	swan population

## 2.82 swimming (19 compound types)

Rated compound: *swimming pool*

wnSense	WordNet description	types	class	example
1	the act of swimming	19	n	swimming cap

## 2.83 think (2 compound types)

Rated compound: *think tank*

wnSense	WordNet description	types	class	example
1	an instance of deliberate thinking	2	n	think sign

Notes:

All other WordNet senses of *think* are verb-senses. Both compounds (*think tank* and *think sign*) can also plausibly be analyzed as VN compounds.

## 2.84 video (99 compound types)

Rated compound: *video game*

wnSense	WordNet description	types	class	example
1	the visible part of a television transmission	20	n	video cable
2	a recording of both the visual and audible components (especially one containing a recording of a movie or television program)	69	n	video department
3	(computer science) the appearance of text and graphics on a video display	10	n	video chip

Notes:

WordNet sense 4 was not used, unclear in how far it could be applied. Often, it was difficult to decide on the senses or multiple usages were possible. In the latter case, the most plausible one was chosen.

## 2.85 web (3 compound types)

Rated compound: *web site*

wnSense	WordNet description	types	class	example
5	computer network consisting of a collection of internet sites that offer text and graphics and sound and animation resources through the hypertext transfer protocol	1	n	web site
6	a fabric (especially a fabric in the process of being woven	2	n	web width

## 2.86 zebra (3 compound types)

Rated compound: *zebra crossing*

wnSense	WordNet description	types	class	example
1	any of several fleet black-and-white striped African equines	3	n	zebra tarantula

## 3 N2 families

### 3.1 account (92 compound types)

Rated compound: *bank account*

wnSense	WordNet description	types	class	example
1	a record or narrative description of past events	10	n	insider account
<b>3</b>	<b>a formal contractual relationship established to provide for regular banking or brokerage or business services</b>	<b>61</b>	<b>n</b>	<b>bank account</b>
4	a statement that makes something comprehensible by describing the relevant structure or operation or circumstances etc.	6	n	materialist account
7	a statement of recent transactions and the resulting balance	14	n	parish account
9	an itemized statement of money owed for goods shipped or services rendered	1	n	farm account

Notes:

No differentiation between the first two WordNet senses ('history, account, chronicle, story (a record or narrative description of past events)' vs. 'report, news report, story, account, write up (a short account of the news)'). Both were coded as WordNet sense 1. WordNet sense

3 extended to cover computer related usages such as *mail account* and *vms account* (vms = the proprietary Virtual Memory System operating system). WordNet sense 3 comes with clear cases of FOR vs. HAVE2, e.g. *savings account* and *Virgin account* (where virgin= the record company), but many cases could be either, e.g. *government account* or *client account*. Went with plausibility: HAVE2 if it is not per se or not likely per se a specific kind of account. Highly specialized types of accounts/specialist banking terms classified with IDIOM (e.g., *trust account* or *nostro account*).

### 3.2 aunt (1 compound types)

Rated compound: *agony aunt*

wnSense	WordNet description	types	class	example
1	intense feelings of suffering; acute mental or physical pain	1	n	agony aunt

### 3.3 bee (7 compound types)

Rated compound: *spelling bee*

wnSense	WordNet description	types	class	example
1	any of numerous hairy-bodied insects including social and solitary species	6	n	bumble bee
2	a social gathering to carry out some communal task or to hold competitions	1	n	spelling bee

### 3.4 being (3 compound types)

Rated compound: *human being*

wnSense	WordNet description	types	class	example
1	the state or fact of existing	1	n	well being
2	a living thing that has (or can develop) the ability to act or function independently	2	n	half being

### 3.5 bottom (19 compound types)

Rated compound: *rock bottom*

wnSense	WordNet description	types	class	example
1	the lower side of anything	5	n	box bottom
2	the lowest part of anything	14	n	sea bottom

Notes:

*Rock bottom* coded as BE in Bell and Schäfer (2013), here coded as HAVE2.

### 3.6 bullet (5 compound types)

Rated compound: *silver bullet*

wnSense	WordNet description	types	class	example
1	a projectile that is fired from a gun	5	n	dumdum bullet

### 3.7 business (262 compound types)

Rated compound: *monkey business*

wnSense	WordNet description	types	class	example
1	a commercial or industrial enterprise and the people who constitute it	255	n	textile business
2	the activity of providing goods and services involving financial and commercial and industrial aspects	2	n	repeat business
5	an immediate objective	3	n	pound business
7	business concerns collectively	2	n	winter business

Notes:

WordNet sense 5 is illustrated with “gossip was the main business of the evening”. Assigning this sense relied in this case more on this quote, a more appropriate paraphrase of *business* here would simply be ‘activity/matter’.

### 3.8 candy (4 compound types)

Rated compound: *eye candy*

wnSense	WordNet description	types	class	example
1	a rich sweet made of flavored sugar and often combined with fruit or nuts	4	n	cotton candy

### 3.9 card (97 compound types)

Rated compound: *credit card*

wnSense	WordNet description	types	class	example
1	one of a set of small pieces of stiff paper marked in various ways and used for playing games or for telling fortunes	16	n	tarot card
2	a card certifying the identity of the bearer	24	n	security card
3	a rectangular piece of stiff paper used to send messages (may have printed greetings or pictures)	9	n	valentine card
4	thin cardboard, usually rectangular	31	n	vaccination card
7	a printed or written greeting that is left to indicate that you have visited)	4	n	business card
8	(golf) a record of scores (as in golf)	2	n	golf card
9	a list of dishes available at a restaurant	1	n	menu card
11	a printed circuit that can be inserted into expansion slots in a computer to increase the computer's capabilities	10	n	video card

### 3.10 car (100 compound types)

Rated compound: *panda car*

wnSense	WordNet description	types	class	example
1	a motor vehicle with four wheels; usually propelled by an internal combustion engine	80	n	dream car
2	a wheeled vehicle adapted to the rails of railroad	19	n	freight car
5	a conveyance for passengers or freight on a cable railway	1	n	cable car

WordNet sense 5 has *cable car* as collocate.

### 3.11 centre (268 compound types)

Rated compound: *call centre*

wnSense	WordNet description	types	class	example
2	an area that is approximately central within some larger region	11	n	village centre
3	a point equidistant from the ends of a line or the extremities of a figure	10	n	wheel centre
4	a place where some particular activity is concentrated	19	n	growth centre
8	a cluster of nerve cells governing a specific bodily process)	3	n	pleasure centre
9	a building dedicated to a particular activity	225	n	trade centre

Notes:

WordNet has two different entries for the UK/US spelling variants. Here, the *centre* version is used. Note the distinction between WordNet sense 4 and 9, where without context often both senses are OK. That is, *Africa centre* refers to a building (in the BNC, it is used for the Africa centre in London), whereas *banking centre* usually refers to larger places like towns (e.g., London). However, depending on context, a construal with the respective other WordNet sense should be possible, too.

### 3.12 change (126 compound types)

Rated compound: *climate change*

wnSense	WordNet description	types	class	example
1	an event that occurs when something passes from one state or phase to another	99	n	proportion change
3	the action of changing something	26	n	name change
11	[gear shift]		n	column change

Notes:

Added sense 11. Coding of WordNet senses 1 and 3 was linked to whether something changed or was exchanged. In the former case, the coded relation is IN (*script changes*: relation IN, WordNet sense 1), in the latter case, the relation is VERB (*tyre change*, WordNet sense 3 and relation VERB). Because of the many non-compounds, this group required manual look-up of almost every combination.



### 3.13 clay (4 compound types)

Rated compound: *china clay*

wnSense	WordNet description	types	class	example
1	a very fine-grained soil that is plastic when moist but hard when fired	4	n	pipe clay

### 3.14 clock (37 compound types)

Rated compound: *grandfather clock*

wnSense	WordNet description	types	class	example
1	a timepiece that shows the time of day	36	n	cuckoo clock
2	[A trivial name for the pappus of the dandelion or similar composite flower.]	1	n	dandelion clock

Notes:

Added sense 2. Description taken from the OED entry clock, n<sup>1</sup>, 8.: “A trivial name for the pappus of the dandelion or similar composite flower. [So called from the child’s play of blowing away the feathered seeds to find ‘what o’clock it is’.]” Some clocks could be either HAVE2 or FOR; went with intuition (based on whether it results in a specific type or not, cf. *town clock* vs. *car clock*) and BNC contexts.

### 3.15 course (101 compound types)

Rated compound: *crash course*

wnSense	WordNet description	types	class	example
1	education imparted in a series of lessons or meetings	68	n	zoology
3	general line of orientation	1	n	compass course
5	a line or route along which something travels or moves	8	n	zigzag course
7	part of a meal served at one time	9	n	vegetable course
8	(construction) a layer of masonry	1	n	damp course
9	facility consisting of a circumscribed area of land or water laid out for a sport	14	n	mountain course

Notes:

Some WordNet senses 1 which were coded as ABOUT could also be classified as 1 FOR (*fitness course*), but generally easily distinguishable. Did not attempt to distinguish sense 1 from sense 6, ‘a body of students who are taught together’, similarly for sense 5 and 4, ‘a mode of action’.

### 3.16 court (83 compound types)

Rated compound: *kangaroo court*

wnSense	WordNet description	types	class	example
1	an assembly (including one or more judges) to conduct judicial business	15	n	Singapore court
4	a specially marked horizontal area within which a game is played	6	n	squash court
6	the family and retinue of a sovereign or prince	6	n	renaissance court
7	a tribunal that is presided over by a magistrate or by one or more judges who administer justice according to the laws	43	n	orphan court
8	the residence of a sovereign or nobleman	1	n	Fire court
9	an area wholly or partly surrounded by walls or buildings	12	n	prison court

### 3.17 cow (10 compound types)

Rated compound: *cash cow*

wnSense	WordNet description	types	class	example
2	mature female of mammals of which the male is called 'bull'	10	n	suckler cow

### 3.18 crossing (21 compound types)

Rated compound: *zebra crossing*

wnSense	WordNet description	types	class	example
1	traveling across	8	n	ferry crossing
3	a point where two lines (paths or arcs etc.) intersect	1	n	zero crossing
5	a path (often marked) where something (as a street or railroad) can be crossed to get from one side to the other	12	n	pedestrian crossing

### 3.19 crunching (1 compound types)

Rated compound: *number crunching*

wnSense	WordNet description	types	class	example
1	[the action of crunching]	1	n	number crunching

Added sense 1. There is no WordNet entry for the noun *crunching*.

### 3.20 dress (25 compound types)

Rated compound: *cocktail dress*

wnSense	WordNet description	types	class	example
1	a one-piece garment for a woman; has skirt and bodice	21	n	cotton dress
2	clothing of a distinctive style or for a particular occasion	3	n	camouflage dress
3	clothing in general	1	n	head dress

### 3.21 duck (7 compound types)

Rated compound: *sitting duck*

wnSense	WordNet description	types	class	example
1	small wild or domesticated web-footed broad-billed swimming bird usually having a depressed body and short legs	6	n	plastic duck
3	flesh of a duck (domestic or wild)	1	n	peking duck

### 3.22 edge (57 compound types)

Rated compound: *cutting edge*

wnSense	WordNet description	types	class	example
1	the boundary of a surface	46	n	mirror edge
2	a line determining the limits of an area	2	n	city edge
3	a sharp side formed by the intersection of two surfaces of an object	9	n	sword edge

Notes:

WordNet sense 6 ('the outside limit of an object or area or surface; a place farthest away from the center of something') was not used, *leaf edge* classified with sense 1.

### 3.23 egg (14 compound types)

Rated compound: *nest egg*

wnSense	WordNet description	types	class	example
1	animal reproductive body consisting of an ovum or embryo together with nutritive and protective envelopes; especially the thin-shelled reproductive body laid by e.g. female birds	14	n	ostrich egg

### 3.24 engine (43 compound types)

Rated compound: *search engine*

wnSense	WordNet description	types	class	example
1	motor that converts thermal energy to mechanical work	35	n	combustion engine
2	something used to achieve a purpose	5	n	search engine
3	a wheeled vehicle consisting of a self-propelled engine that is used to draw trains along railway tracks	2	n	express engine
4	an instrument or machine that is used in warfare, such as a battering ram, catapult, artillery piece, etc.	1	n	siege engine

### 3.25 firm (69 compound types)

Rated compound: *law firm*

wnSense	WordNet description	types	class	example
1	the members of a business organization that owns or operates one or more establishments	69	n	mystery firm

Notes:

*Security firm* in the BNC is consistently used to refer to businesses providing private security, whereas *securities firm* is used to refer to banking businesses dealing in securities, that is, *securities* occurs here in its certificate of ownership sense.

### 3.26 floor (110 compound types)

Rated compound: *ground floor*

wnSense	WordNet description	types	class	example
1	the inside lower horizontal surface (as of a room, hallway, tent, or other structure)	79	n	wagon floor
2	a structure consisting of a room or set of rooms at a single position along a vertical scale	8	n	executive floor
4	the ground on which people and animals move about	4	n	jungle floor
5	the bottom surface of any lake or other body of water	4	n	ocean floor
6	the lower inside surface of any hollow structure	5	n	cavern floor
9	the legislative hall where members debate and vote and conduct other business	4	n	senate floor
10	a large room in a exchange where the trading is done	6	n	trading floor

Notes:

WordNet sense 10 has *trading floor* as collocate.

### 3.27 form (163 compound types)

Rated compound: *application form*

wnSense	WordNet description	types	class	example
1	the phonological or orthographic sound or appearance of a word that can be used to describe or identify something	11	n	root form
2	a category of things distinguished by some common characteristic or quality	6	n	life form
3	a perceptual structure	10	n	paper form
4	any spatial attributes (especially as defined by outline)	30	n	leaf form
5	alternative names for the body of a human being	7	n	dwarf form
6	the spatial arrangement of something as distinct from its substance	5	n	tensor form
8	a printed document with spaces in which to write	76	n	transfer form
10	an arrangement of the elements in a composition or discourse	14	n	verse form
12	(physical chemistry) a distinct state of matter in a system; matter that is identical in chemical composition and physical state and separated from other material by the phase boundary	3	n	compound form
14	an ability to perform well	1	n	fighting form

### 3.28 game (155 compound types)

Rated compound: *blame game, video game*

wnSense	WordNet description	types	class	example
2	a single play of a sport or other contest	67	n	relegation game
3	an amusement or pastime	60	n	war game
9	the game equipment needed in order to play a particular game	1	n	Simon game
10	your occupation or line of work	27	n	subsidy game

Notes:

*Republic game, Newcastle game* etc.: construal of these depends on the point of view: if Republic is your opponent, HAVE1 seems natural, if it refers to a game by your team, HAVE2 seems more appropriate. In the BNC, both usages occur. Decided to go with HAVE2 consistently.

Note that the distribution of word senses used is interestingly different from the ones in the N1 family.

### 3.29 gun (40 compound types)

Rated compound: *smoking gun*

wnSense	WordNet description	types	class	example
1	a weapon that discharges a missile at high velocity (especially from a metal tube or barrel)	36	n	machine gun
3	a person who shoots a gun (as regards their ability)	1	n	advertising gun
7	the discharge of a firearm as signal or as a salute in military ceremonies	3	n	start gun

Notes:

WordNet senses 2, 'large but transportable armament', and 5, 'a hand-operated pump that resembles a pistol; forces grease into parts of a machine', were not distinguished, instead 1 was used.

### 3.30 hour (32 compound types)

Rated compound: *rush hour*

wnSense	WordNet description	types	class	example
1	a period of time equal to 1/24th of a day	31	n	peak hour
4	[for one hour]	1	n	kilowatt hour

Notes:

Added sense 4 for *kilowatt hour*.

### 3.31 insurance (9 compound types)

Rated compound: *health insurance*

wnSense	WordNet description	types	class	example
1	promise of reimbursement in the case of loss; paid to people or companies so concerned about hazards that they have made prepayments to an insurance company	9	n	fire insurance

### 3.32 jacket (25 compound types)

Rated compound: *smoking jacket*

wnSense	WordNet description	types	class	example
1	a short coat	22	n	cashmere jacket
2	an outer wrapping or casing	2	n	book jacket
5	the tough metal shell casing for certain kinds of ammunition	1	n	steam jacket

Notes:

A *steam jacket* is not a casing for certain kinds of ammunition, but it is usual a tough metal shell casing, so WordNet sense 5 was used.

### 3.33 jenny (1 compound types)

Rated compound: *spinning jenny*

wnSense	WordNet description	types	class	example
1	[personal name]	1	n	spinning jenny

Notes:

WordNet sense 1 refers to a specific person (Jenny, William Le Baron Jenny), here used for Jenny as a proper name.

### 3.34 lane (22 compound types)

Rated compound: *memory lane*

wnSense	WordNet description	types	class	example
1	a narrow way or road	11	n	country lane
2	a well-defined track or path; for e.g. swimmers or lines of traffic	11	n	emergency lane

### 3.35 limit (52 compound types)

Rated compound: *speed limit*

wnSense	WordNet description	types	class	example
1	the greatest possible degree of something	49	n	confidence limit
4	the boundary of a specific area	3	n	city limit

Notes:

Only the above two WordNet senses were used; all the other noun senses are very close to sense 1.



### 3.36 line (363 compound types)

Rated compound: *fine line, firing line*

wnSense	WordNet description	types	class	example
1	a formation of people or things one beside another	3	n	picket line
2	a mark that is long relative to its width	14	n	chalk line
3	a formation of people or things one behind another	9	n	coffee line
4	a length (straight or curved) without breadth or thickness; the trace of a moving point	7	n	regression line
5	text consisting of a row of words written across a page or computer screen	22	n	solo line
7	a fortified position (especially one marking the most forward position of troops)	12	n	enemy line
8	a course of reasoning aimed at demonstrating a truth or falsehood; the methodical process of logical reasoning	19	n	appeasement line
9	a conductor for transmitting electrical or optical signals or electric power	13	n	telegraph line
10	a connected series of events or actions or developments	3	n	plot line
11	a spatial location defined by a real or imaginary unidimensional extent	87	n	glacier line
12	a slight depression or fold in the smoothness of a surface	7	n	worry line
13	a pipe used to transport liquids or gases	8	n	fuel line
14	the road consisting of railroad track and roadbed	28	n	intercity line
15	a telephone connection	19	n	reception line
16	acting in conformity	1	n	policy line
17	the descendants of one individual	9	n	primate line
18	something (as a cord or rope) that is long and thin and flexible	24	n	trap line
20	in games or sports; a mark indicating positions or bounds of the playing area	10	n	goal line
21	(often plural) a means of communication or access	4	n	distribution line

22	a particular kind of product or merchandise	14	n	profit line
23	a commercial organization serving as a common carrier	13	n	tram line
25	the maximum credit that a customer is allowed	2	n	withdrawal line
26	a succession of notes forming a distinctive sequence	5	n	chorus line
29	a conceptual separation or distinction	23	n	wage line
30	mechanical system in a factory whereby an article is conveyed through sites at which successive operations are performed on it	7	n	canning line

Mistakes:

*Birmingham line* is misclassified with WordNet sense 10, ought to be WordNet sense 14. In addition, in its occurrence in the BNC it is part of a complex construction (*London and Birmingham line*) and thus should be n1n2NotCompound:yes.

### 3.37 list (145 compound types)

Rated compound: *mailing list*

wnSense	WordNet description	types	class	example
1	a database containing an ordered array of items (names or topics)	145	n	waiting list

Notes:

Large numbers of FOR and HAVE1 compounds, cf., e.g., *wedding list* vs. *witness list*. Often, both classifications are possible: *staff list* as list for the staff or as list that has the staff (e.g. list that lists the staff). Heuristic: went for HAVE1 if that interpretation is possible. In cases of doubt, checked against BNC usage.

### 3.38 lot (10 compound types)

Rated compound: *parking lot*

wnSense	WordNet description	types	class	example
1	(often followed by 'of') a large number or amount or extent	2	n	job lot
2	a parcel of land having fixed boundaries	8	n	studio lot

### 3.39 mail (13 compound types)

Rated compound: *snail mail*

wnSense	WordNet description	types	class	example
2	the bags of letters and packages that are transported by the postal service	3	n	air mail
4	any particular collection of letters or packages that is delivered	7	n	junk mail
5	(Middle Ages) flexible armor made of interlinked metal rings	2	n	chain mail
6	[newspaper]	1	n	Birmingham mail

Notes:

Added sense 6 for newspaper-usage. Note that *snail mail* is coded here with WordNet sense 2 and the relation USE, in parallel to *air mail*. In the N1 family, it is coded as BE.

### 3.40 market (245 compound types)

Rated compound: *flea market*

wnSense	WordNet description	types	class	example
1	the world of commercial activity where goods and services are bought and sold	223	n	whisky market
3	a marketplace where groceries are sold	1	n	Com market
4	the securities markets in the aggregate	5	n	bull market
5	an area in a town where a public mercantile establishment is set up	16	n	Monday market

Notes:

No distinction made between WordNet sense 1 and 2 ('the customers for a particular product or service'), all classified as 1.

### 3.41 mine (22 compound types)

Rated compound: *gold mine*

wnSense	WordNet description	types	class	example
1	excavation in the earth from which ores and minerals are extracted	19	n	diamond mine
2	explosive device that explodes on contact; designed to destroy vehicles or ships or to kill or maim personnel	3	n	land mine

### 3.42 model (143 compound types)

Rated compound: *role model*

wnSense	WordNet description	types	class	example
1	a hypothetical description of a complex entity or process	16	n	regression model
2	a type of product	25	n	signature model
3	a person who poses for a photographer or painter or sculptor	1	n	life model
4	representation of something (sometimes on a smaller scale)	67	n	wax model
5	something to be imitated	1	n	artist model
6	someone worthy of imitation	1	n	role model
7	a representative form or pattern	25	n	ownership model
8	a woman who wears clothes to display fashions	7	n	agency model

Notes:

WordNet sense 6 has *role model* as collocate.

### 3.43 nine (1 compound types)

Rated compound: *cloud nine*

wnSense	WordNet description	types	class	example
2	the cardinal number that is the sum of eight and one	1	n	cloud nine

Notes:

First sense in WordNet.

### 3.44 oil (30 compound types)

Rated compound: *snake oil*

wnSense	WordNet description	types	class	example
1	a slippery or viscous liquid or liquefiable substance not miscible with water	11	n	massage oil
2	oil paint containing pigment that is used by an artist	1	n	landscape oil
3	a dark oil consisting mainly of hydrocarbons	8	n	mineral oil
4	any of a group of liquid edible fats that are obtained from plants	10	n	sesame oil

Notes:

Classified *whale oil* with the vegetable oils.

### 3.45 order (100 compound types)

Rated compound: *pecking order*

wnSense	WordNet description	types	class	example
1	(often plural) a command given by a superior (e.g., a military or law enforcement officer) that must be obeyed	8	n	draft order
3	established customary state (especially of society)	5	n	gender order
4	logical or comprehensible arrangement of separate elements	18	n	seating order
6	a legally binding command or decision entered on the court record (as if issued by a court or judge)	44	n	restriction order
11	a group of person living under a religious rule	3	n	dervish order
12	(biology) taxonomic group containing one or more families	2	n	primate order
13	a request for something to be made, supplied, or served	20	n	telephone order

Notes:

This group contains very many legal or half-legal terms. Many combinations can in principle be either FOR or HAVE2, e.g., *question order* referring to the ordering the questions have (in one's work for example), or the order for the questions (e.g., at a talk).

### 3.46 owl (4 compound types)

Rated compound: *night owl*

wnSense	WordNet description	types	class	example
1	nocturnal bird of prey with hawk-like beak and claws and large head with front-facing eyes	4	n	barn owl

### 3.47 park (49 compound types)

Rated compound: *car park*

wnSense	WordNet description	types	class	example
1	a large area of land preserved in its natural state as public property	4	n	nature park
2	a piece of open land for recreational use in an urban area	25	n	council park
3	a facility in which ball games are played (especially baseball games)	4	n	ball park
5	a lot where cars are parked	6	n	caravan park
7	[an area of land, often on the outskirts of a town, devoted to a particular activity or set of related pursuits]	4	n	science park
8	[used in district names formerly belonging to large estates]	6	n	grove park

Notes:

Added sense 7 and sense 8. Sense 7 corresponds to OED park n. 3.f (“With modifying word: an area of land, often on the outskirts of a town, devoted to a particular activity or set of related pursuits.”), sense 8 to OED park 1.d (“Used in the names of suburban districts built on land formerly belonging to large estates, as Holland Park, Tufnell Park, and later in the names of other urban areas, housing estates, etc.”). *Ball park* is collocate of WordNet sense 3.

### 3.48 plan (177 compound types)

Rated compound: *game plan*

wnSense	WordNet description	types	class	example
1	a series of steps to be carried out or goals to be accomplished	142	n	privatisation plan
2	an arrangement scheme	4	n	seating plan
3	scale drawing of a structure	31	n	factory plan

Notes:

Sometimes difficult to differentiate between HAVE2/MAKE2/FOR: an *army plan* is a plan the

army has, the *Allon plan* was made by Allon, the *abolition plan* is for abolition; but especially for army etc., all three are possible. Person names usually linked with MAKE2, organizations with HAVE2. FOR was used for aims as well as target groups (cf. *recovery plan* vs. *staff plan*).

### 3.49 plate (82 compound types)

Rated compound: *fashion plate*

wnSense	WordNet description	types	class	example
1	(baseball) base consisting of a rubber slab where the batter stands; it must be touched by a base runner in order to score	1	n	home plate
2	a sheet of metal or wood or glass or plastic	48	n	aluminium plate
3	a full-page illustration (usually on slick paper)	2	n	colour plate
4	dish on which food is served or from which food is eaten	10	n	pie plate
6	a rigid layer of the Earth's crust that is believed to drift slowly	4	n	nazca plate
9	any flat platelike body structure or part	6	n	jaw plate
11	a flat sheet of metal or glass on which a photographic image can be recorded	3	n	printing plate
13	a shallow receptacle for collection in church	2	n	church plate
16	small label	1	n	book plate
17	[River Plate]	1	n	River Plate
18	[licence plate]	4	n	Texas plate

Notes:

Added senses 16, 17, and 18. Sense 18 used for licence plates (*licence plate* itself is contained in this group). Sense 16 and 17 both occur only for one single type. WordNet sense 1 has *home plate* as a collocate, WordNet sense 13 has *collection plate* as collocate.

### 3.50 pool (43 compound types)

Rated compound: *swimming pool*

wnSense	WordNet description	types	class	example
1	an excavation that is (usually) filled with water	14	n	hotel pool
2	a small lake	8	n	crocodile pool
3	an organization of people or resources that can be shared	20	n	player pool
8	something resembling a pool of liquid	1	n	moon pool

Notes:

WordSense 3 contains senses 4, ‘an association of companies for some definite purpose’, and 5, ‘any communal combination of funds’, and also 7, ‘the combined stakes of the betters’. The latter three were therefore not used. *Moon pool* (OED: n. a shaft open to the sea in the centre of an (esp. oil-drilling) ship, through which equipment can be hoisted.) is coded with WordNet sense 8 and MAKE2 according to the etymology suggested in one of the OED quotations: 1981 ‘D. Rutherford’ Porcupine Basin ii. 30 It was named moon-pool because on calm nights the water under a rig could reflect the moonlight and give the impression of a calm swimming pool.

### 3.51 position (161 compound types)

Rated compound: *lotus position*

wnSense	WordNet description	types	class	example
1	the particular portion of space occupied by something	55	n	word position
2	a point occupied by troops for tactical reasons	9	n	artillery position
4	the arrangement of the body and its limbs	20	n	lotus position
6	a job in an organization	8	n	management position
7	the spatial property of a place where or way in which something is situated	7	n	rotor position
9	(in team sports) the role assigned to an individual player	3	n	centre position
10	the act of putting something in a certain place	14	n	stock position
11	a condition or position in which you find yourself	19	n	monopoly position
12	a rationalized mental attitude	21	n	universalist position
14	an item on a list or in a sequence	5	n	pole position

Notes:



Used WordNet sense 10 for financial positions. Did not distinguish between sense 12 and 13 ('an opinion that is held in opposition to another in an argument or dispute').

### 3.52 potato (3 compound types)

Rated compound: *couch potato*

wnSense	WordNet description	types	class	example
1	an edible tuber native to South America; a staple food of Ireland	2	n	seed potato
3	[a person or character]	1	n	couch potato

Notes:

Added sense 3, cf. OED potato, n. 4. b. colloq. (chiefly humorous). A person or character, esp. of a specified sort (usually with negative or derogatory connotations).

### 3.53 pot (51 compound types)

Rated compound: *melting pot*

wnSense	WordNet description	types	class	example
1	metal or earthenware cooking vessel that is usually round and deep; often has a handle and lid	46	n	enamel pot
2	a plumbing fixture for defecation and urination	1	n	chamber pot
5	(often followed by 'of') a large number or amount or extent	2	n	place plot
8	a resistor with three terminals, the third being an adjustable center terminal; used to adjust voltages in radios and TV sets	2	n	volume pot

Notes:

WordNet sense 1 contains two clearly distinguishable main relations: FOR and MAKE2.

### 3.54 project (118 compound types)

Rated compound: *research project*

wnSense	WordNet description	types	class	example
1	any piece of work that is undertaken or attempted	118	n	pilot project

Notes:

Distinction between WordNet sense 1 and 2 ('a planned undertaking') not used, instead only used sense 1.

### 3.55 race (70 compound types)

Rated compound: *rat race*

wnSense	WordNet description	types	class	example
1	any competition	15	n	armament race
2	a contest of speed	41	n	marathon race
3	people who are believed to belong to the same genetic stock	10	n	elf race
6	a canal for a current of water	4	n	mill race

### 3.56 rate (249 compound types)

Rated compound: *interest rate*

wnSense	WordNet description	types	class	example
1	a magnitude or frequency relative to a time unit	82	n	acceleration rate
2	amount of a charge or payment relative to some basis	70	n	tax rate
4	a quantity or amount or measure considered as a proportion of another quantity or amount or measure	97	n	suicide rate

Notes:

*Savings rate* is the standard realization of the two lemmas, *saving rate* only occurs once in the BNC. WordNet sense 3, ('the relative speed of progress or change') deemed to close to sense 1, no attempt at differentiation was made.

### 3.57 reaction (30 compound types)

Rated compound: *chain reaction*

wnSense	WordNet description	types	class	example
1	(chemistry) a process in which one or more substances are changed into others	10	n	fusion reaction
3	a bodily process occurring due to the effect of some antecedent stimulus or agent	8	n	anger reaction
4	(mechanics) the equal and opposite force that is produced when any force is applied to a body	1	n	torque reaction
5	a response that reveals a person's feelings or attitude	11	n	staff reaction

### 3.58 ring (56 compound types)

Rated compound: *brass ring*

wnSense	WordNet description	types	class	example
2	a toroidal shape	5	n	tree ring
3	a rigid circular band of metal or wood or other material used for holding or fastening or hanging or pulling	19	n	brass ring
4	(chemistry) a chain of atoms in a molecule that forms a closed loop	2	n	benzene ring
5	an association of criminals	2	n	spy ring
7	a platform usually marked off by ropes in which contestants box or wrestle	13	n	wrestling ring
8	jewelry consisting of a circlet of precious metal (often set with jewels) worn on the finger	14	n	engagement ring
10	[Wagner's Ring]	1	n	Decca ring

Notes:

Added sense 10 for Richard Wagner's *Der Ring des Nibelungen*. WordNet sense 7 also used for terms like *sale ring*, that is, a (circular) enclosure where sales take place etc.

### 3.59 room (292 compound types)

Rated compound: *engine room*

wnSense	WordNet description	types	class	example
1	an area within a building enclosed by walls and floor and ceiling	289	n	utility room
2	space for movement	3	n	leg room

Notes:

WordNet sense 2 has *elbow room* as collocate.

### 3.60 run (56 compound types)

Rated compound: *rat run*

wnSense	WordNet description	types	class	example
1	a score in baseball made by a runner touching all four bases safely	1	n	home run
2	the act of testing something	4	n	measurement run
3	a race run on foot	24	n	charity run
6	a regular trip	9	n	milk run
8	the continuous period of time during which something (a machine or a factory) operates or continues in operation	7	n	computer run
10	the production achieved during a continuous period of operation (of a machine or factory etc.)	2	n	print run
11	a small stream	3	n	gutter run
14	the pouring forth of a fluid	1	n	pot run
15	an unbroken chronological sequence	3	n	stage run
17	[An (often roofless) enclosure in which a (small) domestic animal may range freely.]	2	n	chicken run

Notes:

Added sense 17, pointer is a verbatim copy of OED run n.2, 15.b. *Pot run* as WordNet Sense 14 is a misclassification, but its sense remains a solitaire (probably OED pot n.2 35. a. gen. An extent in length; a continuous stretch of something).

### 3.61 runner (10 compound types)

Rated compound: *front runner*

wnSense	WordNet description	types	class	example
1	someone who imports or exports without paying duties	4	n	drug runner
6	a trained athlete who competes in foot races	4	n	marathon runner
9	device consisting of the parts on which something can slide along	2	n	window runner

### 3.62 science (14 compound types)

Rated compound: *rocket science*

wnSense	WordNet description	types	class	example
1	a particular branch of scientific knowledge	14	n	defence science

### 3.63 screen (54 compound types)

Rated compound: *silver screen*

wnSense	WordNet description	types	class	example
1	a white or silvered surface where pictures can be projected for viewing	4	n	cinema screen
2	a protective covering that keeps things out or hinders sight	1	n	wind screen
3	the display that is electronically created on the surface of the large end of a cathode-ray tube	37	n	radar screen
4	a covering that serves to conceal or shelter something	2	n	Stevenson screen
5	a protective covering consisting of netting; can be mounted in a frame	2	n	insect screen
7	a strainer for separating lumps from powdered material or grading particles	2	n	security screen
8	partition consisting of a decorative frame or panel that serves to divide a space	6	n	silk screen

### 3.64 service (240 compound types)

Rated compound: *public service*

wnSense	WordNet description	types	class	example
1	work done by one person or group that benefits another	199	n	reservation service
3	the act of public worship following prescribed rules	29	n	funeral service
4	a company or agency that performs a public service; subject to government regulation	7	n	London service
6	a force that is a branch of the armed forces	2	n	field service
9	tableware consisting of a complete set of articles (silver or dishware) for use at table	1	n	tea service
12	(sports) a stroke that puts the ball in play	1	n	opening service
13	the performance of duties by a waiter or servant	1	n	court service

Notes:

This group often contained combinations that in principle could be used and hence classified in a number of ways, e.g., *student service* could be FOR/FROM/HAVE2/USE. Went with plausibility, and hence mostly FOR.

### 3.65 sheet (79 compound types)

Rated compound: *cheat sheet*

wnSense	WordNet description	types	class	example
1	any broad thin expanse or surface	3	n	ice sheet
2	paper used for writing or printing	55	n	score sheet
3	bed linen consisting of a large rectangular piece of cotton or linen cloth; used in pairs	3	n	summer sheet
5	newspaper with half-size pages	2	n	scandal sheet
6	a flat artifact that is thin relative to its length and width	9	n	glass sheet
7	(nautical) a line (rope or chain) that regulates the angle at which a sail is set in relation to the wind	2	n	jib sheet
8	a large piece of fabric (usually canvas fabric) by means of which wind is used to propel a sailing vessel	5	n	fly sheet

Notes:

WordNet sense 3 has *bed sheet* as collocate. WordNet sense 1/HAVE2 used for *cell sheet*, which occurs in the context of a biological text (ASL). WordNet sense 8 not only used for sailing related sheets. WordNet sense 2: this sense is almost fully linked to FOR (e.g., *cheat/drawing sheet*). In some cases, HAVE1 would have been possible or even more plausible than FOR, cf., e.g., *erratum sheet*. For consistency, the coding went always with FOR.

### 3.66 shift (17 compound types)

Rated compound: *graveyard shift*

wnSense	WordNet description	types	class	example
1	an event in which something is displaced without rotation	2	n	stick shift
2	a qualitative change	6	n	climate shift
3	the time period during which you are at work	7	n	evening shift
4	the act of changing one thing or position for another	2	n	paradigm shift

### 3.67 shirt (16 compound types)

Rated compound: *polo shirt*

wnSense	WordNet description	types	class	example
1	a garment worn on the upper half of the body	16	n	cotton shirt

Notes:

Small group with 3 clearly distinguishable relations (BE, FOR, MAKE2).

### 3.68 site (148 compound types)

Rated compound: *web site*

wnSense	WordNet description	types	class	example
1	the piece of land on which something is located (or is to be located)	138	n	stadium site
2	physical position in relation to the surroundings	5	n	attachment site
3	a computer connected to the internet that maintains a series of web pages on the World Wide Web	5	n	start site

Notes:

WordNet sense 3 has *web site* as collocate. When site is used a location, it occurs with either FOR (*golf site*), HAVE1 (*accident site*), or HAVE2 (*county site*). Tried to use FOR for less solid/stable things, but this is not fully consistent because a spill site is presumably the site of the spill, so HAVE1; other criterion was clear designation by somebody (again, quite soft, but see e.g. *colony site*); apart from the general difficulty, many things could be both (take, e.g., *explosion site*), or FOR changed to HAVE1 over time. Sites the county has are also sites for the county.

### 3.69 song (46 compound types)

Rated compound: *swan song*

wnSense	WordNet description	types	class	example
1	a short musical composition with words	41	n	protest song
2	a distinctive or characteristic sound	2	n	siren song
4	the characteristic sound produced by a bird	3	n	bird song

WordNet sense 4 has *bird song* as collocate.



### 3.70 spoon (8 compound types)

Rated compound: *silver spoon*

wnSense	WordNet description	types	class	example
1	a piece of cutlery with a shallow bowl-shaped container and a handle; used to stir or serve or take up food	8	n	serving spoon

### 3.71 station (98 compound types)

Rated compound: *radio station*

wnSense	WordNet description	types	class	example
1	a facility equipped with special equipment and personnel for a particular purpose	93	n	petrol station
4	the position where someone (as a guard or sentry) stands or is assigned to stand	5	n	valley station

### 3.72 student (39 compound types)

Rated compound: *graduate student*

wnSense	WordNet description	types	class	example
1	a learner who is enrolled in an educational institution	39	n	divinity student

Notes:

If first part is a proper name, HAVE2 was used for places of learning (*Cornell student*), IN for general locations (*Beijing student*).

### 3.73 study (77 compound types)

Rated compound: *case study*

wnSense	WordNet description	types	class	example
1	a detailed critical inspection	42	n	usability study
2	applying the mind to learning and understanding a subject (especially by reading)	4	n	bible study
3	a written document describing the findings of some individual or group	17	n	research study
6	a branch of knowledge	12	n	computer studies
7	preliminary drawing for later elaboration	2	n	period study

Notes:

Many combinations allow several classifications; *computer studies* is a subject, but *computer*

*study* is not. The distinction of WordNet senses 1 and 3 was done either via plausibility or with the help of the BNC context. In almost all cases, both readings should in principle be possible. The combination of proper name and *study* was always checked in its BNC context if it was recognized as a geographical location. As a result, either IN, FROM, or ABOUT was used.

### 3.74 tank (51 compound types)

Rated compound: *think tank*

wnSense	WordNet description	types	class	example
1	an enclosed armored military vehicle; has a cannon and moves on caterpillar treads	7	n	battle tank
2	a large (usually metallic) vessel for holding gases or liquids	44	n	water tank

Notes:

WordNet sense 1 has *army tank* as collocate.

### 3.75 teacher (50 compound types)

Rated compound: *head teacher*

wnSense	WordNet description	types	class	example
1	a person whose occupation is teaching	50	n	language teacher

### 3.76 tear (2 compound types)

Rated compound: *crocodile tears*

wnSense	WordNet description	types	class	example
1	a drop of the clear salty saline solution secreted by the lacrimal glands	2	n	salt tear

### 3.77 test (125 compound types)

Rated compound: *acid test*

wnSense	WordNet description	types	class	example
3	a set of questions or exercises evaluating skill or knowledge	15	n	language test
4	the act of undergoing testing	18	n	league test
5	the act of testing something	91	n	pregnancy test
7	[proper name]	1	n	River Test

Notes:

Added sense 7 for the River Test. WordNet sense 4 used for all rugby/cricket tests. WordNet

sense 5: difficult decision between FOR or VERB 5: *merit test* as ‘test for merit’ or as ‘test that tests the merit’? Decided by comparison to clear cases, with *drug test* and *cancer test* clearly FOR, *endurance test* and *connection test* clearly VERB; thus, *market test* is more ‘a test for a market’ and a *performance test* tests the performance. USE seemed sometimes more appropriate, e.g. for *dna test*, where the dna is determined and it is also clear that it does not concern the amount of dna or whether there is any at all.

### 3.78 tower (48 compound types)

Rated compound: *ivory tower*

wnSense	WordNet description	types	class	example
1	a structure taller than its diameter; can stand alone or be attached to a larger building	48	n	prison tower

### 3.79 train (54 compound types)

Rated compound: *gravy train*

wnSense	WordNet description	types	class	example
1	public transport provided by a line of railway cars coupled together and drawn by a locomotive	49	n	passenger train
2	a sequentially ordered set of things or events or ideas in which each successive member is related to the preceding	2	n	pulse train
3	a procession (of wagons or mules or camels) traveling together in single file	3	n	wagon train

### 3.80 trip (41 compound types)

Rated compound: *guilt trip*

wnSense	WordNet description	types	class	example
1	a journey for some purpose (usually including the return)	39	n	canoe trip
4	an exciting or stimulating experience	2	n	ego trip

### 3.81 user (39 compound types)

Rated compound: *end user*

wnSense	WordNet description	types	class	example
1	a person who makes use of a thing; someone who uses or employs something	36	n	computer user
3	a person who takes drugs	3	n	heroin user

Notes:

WordNet sense 3 has *drug user* as a collocate.

### 3.82 value (152 compound types)

Rated compound: *face value*

wnSense	WordNet description	types	class	example
1	a numerical quantity measured or assigned or computed	68	n	percentage value
2	the quality (positive or negative) that renders something desirable or valuable	20	n	entertainment value
3	the amount (of money or goods or services) that is considered to be a fair equivalent for something else	59	n	property value
5	(music) the relative duration of a musical note	1	n	sound value
6	an ideal accepted by some individual or group	4	n	school values

Mistakes:

lemma *sale value* occurs with two different relational codings, deriving from an earlier distinction between *sale value* as FOR and *sales value* as HAVE2.

### 3.83 violet (1 compound types)

Rated compound: *shrinking violet*

wnSense	WordNet description	types	class	example
1	any of numerous low-growing violas with small flowers	1	n	shrinking value

### 3.84 wall (179 compound types)

Rated compound: *brick wall*

wnSense	WordNet description	types	class	example
1	an architectural partition with a height and length greater than its thickness; used to divide or enclose an area or to support another structure	125	n	lavatory wall
2	anything that suggests a wall in structure or function or effect	1	n	wave wall
3	(anatomy) a layer (a lining or membrane) that encloses a structure	14	n	stomach wall
5	a vertical (or almost vertical) smooth rock face (as of a cave or mountain)	10	n	cliff wall
6	a layer of material that encloses space	7	n	tyre wall
7	a masonry fence (as around an estate or garden)	10	n	garden wall
8	an embankment built around a space for defensive purposes	12	n	compound wall

Notes:

Walls that plausibly form types coded as FOR (*balcony wall*), walls that don't as HAVE2 (*house wall*).

### 3.85 wedding (8 compound types)

Rated compound: *diamond wedding*

wnSense	WordNet description	types	class	example
1	the social event at which the ceremony of marriage is performed	8	n	church wedding

Notes:

Deemed it impossible to distinguish between WordNet sense 1 and 2 ('the act of marrying; the nuptial ceremony'); used only sense 1.

## References

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