



University
of Glasgow



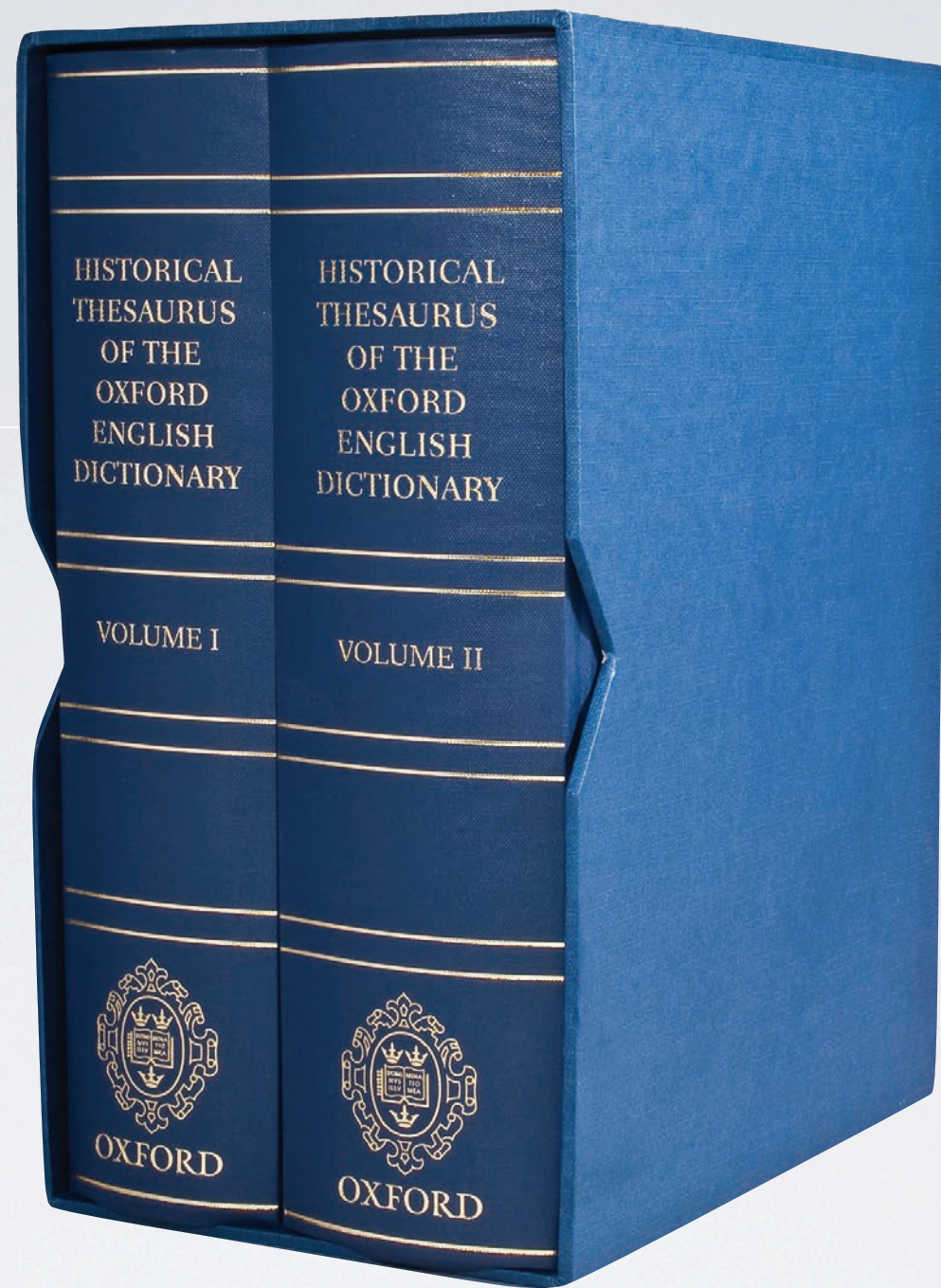
The Historical
Thesaurus of English

Fields, Patchworks and Semantic Fingerprints

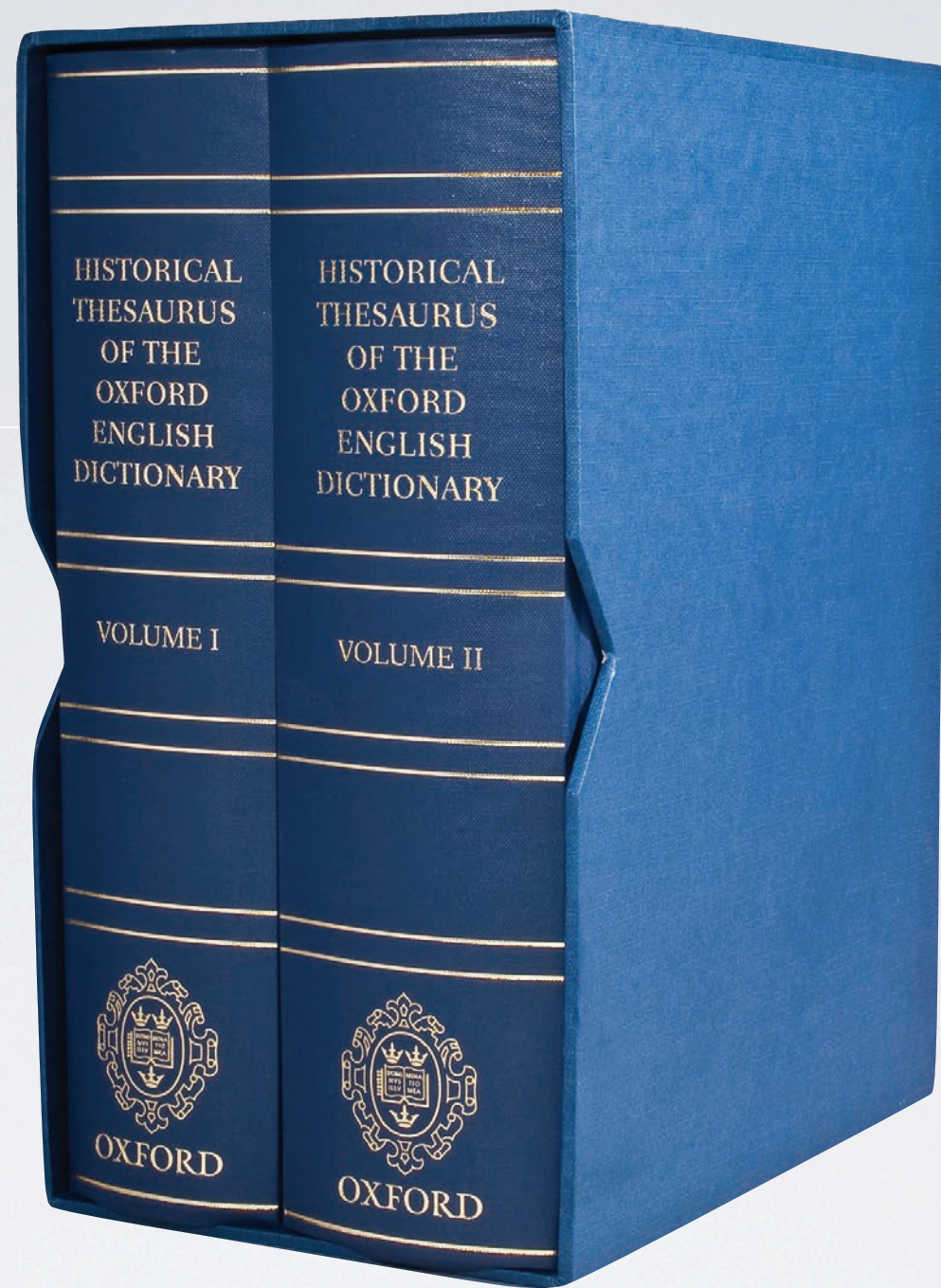
Visualizing English with the *Historical Thesaurus*

Marc Alexander, University of Glasgow
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University of Nottingham CAS, 1 May 2013



Christian Kay, Jane Roberts, Michael
Samuels and Irené Wotherspoon (eds). 2009.
Historical Thesaurus of the Oxford English Dictionary.
Oxford: Oxford University Press.



“a magnificent achievement of quite extraordinary value. It is perhaps the single most significant tool ever devised for investigating semantic, social, and intellectual history”

Randolph Quirk



TO RENDER INDUBITABLE, SUPPORT BY
PROOF OR TESTIMONY.

478

STABLISH v. tr

a. 1325 ——— 1561

+ 1885/94 ~~arch.~~ ai

HP LaserJet 1320

The Ultimate Network Solution

41-Grade

call 0800

Physics

MIND

MIND + PHYSICS
FOR 2ND PROOF-
READING.

1. $\frac{1}{2} \log \frac{1}{2}$







САВВЪ

[illegible][illegible][illegible]

Cabern (*n.*) Cabernet Sauvignon wine.
Cabern (*v.*) To cabernize or to make like Cabernet Sauvignon wine.

Caball, var. form of **CABALL**, a horse.

[illegible]

Savigny, *Travels in Morocco*, 1805, p. 242.
 and W. Meinert, *Deutsche Holland* of a Good Dutch
 Clubhouse, Coo-Fish, of which the Dutch in general
 first, Amsterdam, 1772; Meunier, *Kapitel's Cate* of G. H. M.
 it, 1817. At the Cape there are several sorts of the fish called
 Cabbins, *Abey* Savigny, *Travels*, 1805, p. 242, Amsterdam.
 Cabbins (kuzhin). Forms: 4-7 cabbins, 5
 cabbins, 5 kabbins, 5-7 cabbins, 6 cabbins, 8
 kabbins, 9-10 cabbins, 6-8 cabbins, 7 cabbins
 cabbins, cabbins, cabbins, 7 cabbins. [ME.
 Abey, a. f. cabbins (= Pr. P. cabbins, Sp. cabbins,
 Abey, Cate, cabbins, Il. cabbins) = late L. cabbins
 Abey, 'cabbins' parva cabbins; hoc tractus
 in cabbins, 'cabbins' parva cabbins; hoc tractus

capitula vocantur, in recentioribus autem
calcarum. Mod. F. has calcar from Lang. in sense

02.08.04.05 (adj.) *Pertaining to linguistic units*
01 *lexemic* lexemic 1954-

02.08.04.05.01 (n.) *Word*
clipung OE · dæl OE · word<word OE- · vocable 1530-1638; 1786- · diction 1542-1697 · whid 1567-1861 (*cant*) · vowel 1578-1648 · accent 1595- · phrase 1597-1699 · quatch *◊*1635; 1783- (*dial.*) · mot *◊*1645 · verb *◊*1716 · verbalism 1787- · monolog 1929-1947 · dicky-bird 1932- (*slang*) · dicky 1943 (*slang*) · word-type 1961- · lexical item 1964- · lexon 1964- **01** *written* word<word OE- **02** *spoken* ideophone 1881-1909 **03** *proper/appropriate* word the word 1596- **04** *ghost word* ghost word 1886- · ghost name 1896 · ghost form 1933 **05** *word with only one recorded occurrence* hapax legomenon 1882- · hapax 1962 **06** *word expressing phrase/sentence* sentence-word 1848- · holophrasm 1862-1900 · holophrase 1899- · phrase-word 1933- · monorheme 1937- **06.01** *use of holophrasis* 1869 **07** *nonsense word* nonsense-name 1842 · nonsense word 1919- **08** *other specific types of word* cyneword OE · froforword OE · grandame words 1598 · household word 1599- · wordy/wordie 1718- (*Scots*) · my whole *◊*1789- · foundling 1827/38 · Mesopotamia 1827- · book-word 1851 · thought-word *◊*1866- · pillow-word 1877- · nonce-word 1884 · word-symbol 1904- · blessed word 1910- · object word 1914- · bogy-word 1919 · key-word 1926- · fossil 1931- · nursery word 1933- · four-letter word 1934- · pseudo-word 1951- · plus word 1959- · non-word 1961- **09** *equivalent of a word in another language* synonym 1594; 1804 **10** *words collectively/vocabulary* wordhord OE · wordloca OE · vocabulary 1782- · wordage 1829- · word-hoard 1869- · wordlore 1904 · word-stock 1911- · lexicon 1933- · lexis 1960- · vocab 1971- **10.01** *of a sphere of activity* lexicon 1647-1839 **10.02** *of a quality/feeling* vocabulary 1770- **10.03** *of a region/speaker* lexicon 1954- **10.04** *minimum* minimum vocabulary 1944-1947 **10.05** *Basic English* Basic English 1929- **11** *similar/confusable words* homoeoteleft 1652 · word-pair 1936- · confusables/confusibles 1979- **11.01** *similarity causing mistakes in copying* homoeoteleuton 1861- · homoeoarchy 1883 · homoeotel 1883 · homoeotopy 1883 · homoe(o)archon 1896- **12** *other specific groups/sets of words* doublet 1879- · word square 1890 **13** *letter/sound at beginning/end of word* word-final 1918- · word-initial 1918- **14** *symbol representing word* word-symbol 1933 · lexigram 1973- **15** *study of words* lexicology 1828/32 (*Dict.*); 1949- · lexis 1960- **15.01** *one who wordster* 1965- (*nonce* word) **16** *love of words* logolatry 1810- · epeolatry 1860-1968 · verbomania 1923- · logophilia 1980- **16.01** *one who* logophile 1959- **17** *one who (skilfully) uses words* verbalist 1794 · wordmonger 1916- · wordster 1971- (*nonce* word) **18** *fear of words* logophobia 1923- **19** *concern merely with words* verbality 1645-1877 **19.01** *one who* verbalist *◊*1609- **20** *number/frequency of words* word-frequency 1928- · word-count 1930- · wordage 1975- **21** *abundance of words* copiousness 1827-1850 **22** *change of form of word to give significance* parasynesis 1877 · popular etymology 1880- · folk etymology 1883- **23** *expression by means of lexicon* lexicalization 1949-

02.08.04.05.01 (adj.) *Pertaining to a word*
verbal 1605-1701 · lexonic 1966 **01** *in respect of each single word* verbal 1790- **02** *pertaining to words* vocabular 1608- · verbatical 1612 · vocabulary 1616- · verbarian 1830 · lexical 1836- · lexicalic 1860 · morpholexical 1939- **03** *consisting of/expressed in words* verbal 1530- · wordy 1627- **03.01** *in mere words* wordish *◊*1586-1697 · wording 1601 · verbal 1605- · syllabical 1606 · wordly 1633(2); 1927- **03.01.01** *consisting merely in words/speech* verbal 1618-1653 **03.02** *without manifestation in action* verbal 1622- **03.03** *not non-verbal* 1927- · textless 1957- **04** *having/relating to specific number of words* triverbal 1817 · diverbal 1825 · many-worded *◊*1832- · monepic *◊*1832- **05** *skilled in the use of words* wordy 1603-1680 **05.01** *not non-verbal* 1972 **06** *having large vocabulary* copious 1549 (*Scots*); 1651-1772/7 · worded 1734 **07** *adorned with words* word-painted 1870- **08** *described in words* word-painted 1937- **09** *within a word* intraverbal 1909 (*Dict.*); 1953- **09.01** *in specific position* word-final 1949- · word-initial 1949- · word-medial 1949- **10** *pertaining to study of words* lexicological 1867- **11** *referring to frequency of words* word frequency 1974- **12** *of words: having similar*

endings homoteleutic 1821 · homoeoteleutic 1890 **12.01** *resulting as an error due to* homoeoteleutic 1880 **13** *pertaining to other specific types of word* gefeged OE · manidel OE · teart OE · long-tailed 1549 (*Scots*); 1769 · communicable *◊*1661 · unanalogical 1755 (*Dict.*) · learned 1869(2) · parasyntetic 1885 · monorrhemic 1939 **14** *word-for-word* word-for-word *◊*1611; 1858/9 · verbatim 1834- · word-by-word 1865- **15** *expressing whole phrase by one word* holophrastic 1860- **16** *expressed by means of lexicon* lexicalised 1949- **17** *passive vocabulary* passive 1935- **18** *limited vocabulary* basic 1929-

02.08.04.05.01 (adv.) *By means of/in respect of words*
verbally 1646- · lexically 1858-1866 **01** *by mere words* verbally 1855/6- **01.01** *without accompanying reality* verbally 1610-1678 **02** *in specific position in word* word-internally 1964- · word finally 1965- · word-medially 1968- · word-initially 1973- **03** *in so many words* in so many words 1720- **04** *word for word* word after word *◊*1200 · word by word 1379- · word for word *◊*1400- · after the word *◊*1400 · fro word unto word *◊*1475 · verbatim 1481- · word in word 1493 · verbally 1588- · verbatimly 1597 · syllabically 1654-*◊*1778 · totidem verbis 1659-1902 · verbatim et literatim 1742-

02.08.04.05.01 (vt.) *Furnish with words*
vocalarize 1851 **01** *accept into lexicon* lexicalise 1937-

02.08.04.05.02 (n.) *Phrase*
cwide OE · foresettedness OE · forsetnes OE · word OE · wordwide OE · locution 1432/50- · saying 1530 · phrase 1530- · comma 1586-1713 · word 1593; 1780; 1903 (*arch.*) · speech 1596-1675 · stand 1616 · gramm 1647 · diction *◊*1660-1709 · road *◊*1690 · slip-slop 1823 · construct 1871- · group-word 1953 **01** *collectively* speakings *◊*1325-1653 · saying *◊*1570 · verbalism 1800 · verbalities 1840- **02** *series of routine* 1822 **03** *use of phrasing* 1611- · phraseology 1670-1678 (*Dict.*) **04** *contraction of a phrase* short 1920 **05** *term/expression* word<word OE- · term *◊*1477- · conveyance 1586 · termination 1599 · epithet 1599-1604 · notion 1655-1657 **05.01** *use of terming* *◊*1410-1591 **05.02** *apt/fitting* a word on its/upon the wheels 1655-*◊*1657 · mot juste 1912- **05.03** *with only one word* mononym 1884- · monomial 1885 **05.03.01** *system of mononymy* 1885 **05.03.02** *conversion into mononymization* 1889 **06** *catch-phrase/stock phrase* byword 1563/87-1710 · phrase 1579- · cant 1681-*◊*1815 · cant phrase 1712-1868 · cant word 1753-1790 · cant term 1774 · catch-phrase *◊*1850- · wheeze 1890- (*slang & colloq.*) **07** *cliché* glittering generality 1849- (*orig. US*) · cliché 1892- (*fig.*) · thought-saver 1931- **08** *formula* formula OE · hiw OE · formula *◊*1638- · cant 1681-1712 **09** *idiom* wise OE · idiom 1628- **10** *proverb* proverb *◊*1375- · ditton 1572-1653 **10.01** *collect* folksay/folk-say 1929- (*US*) **11** *other specific types of phrase* et cetera 1597- · chr(e)ia 1612-1655/60 · hob-nob 1761-1770 · phraseograph 1845- · continentalism 1854 · snapper 1857- (*US*) · humilific 1905 · binomial 1959-1964 **12** *use of fine-sounding phrases* phrase-making 1867-1929 **12.01** *one who* sententiolist 1660 · phrase-maker 1822- **12.02** *one who explains* phraseologist 1727

02.08.04.05.02 (adj.) *Pertaining to phrases*
phrasical 1615 · phrasal 1871(2) · construct 1871- **01** *using phrases* phraseological 1664- · phrasing 1888 **02** *abounding in phrases* phrasý 1849- **03** *expressed in phrases* phrased 1557- · worded 1848- **04** *dealing with phrases* phraseological 1664- **05** *of phrases: frequently used/heard* rife 1513-1671; 1878 **06** *expressing in terms* terming 1643 **07** *consisting of one-word term* mononymic 1872 · monomial 1884

02.08.04.05.02 (adv.) *As/with a phrase*
phraseologically 1867- **01** *in the manner of a formula* formulaically 1957-

02.08.04.05.02 (vi.) *Use a phrase/phrases*
phrase *◊*1550; 1888 · phrasify 1633-1674 **01** *use a cliché* coin a phrase 1940-

02.08.04.05.02 (vt.) *Express in phrases*
have *◊*1449- · phrase 1556- · speak 1579 **01** *in different phrases* reword 1882- · rephrase 1895- · retune 1959 **02** *convert into one-word term* mononymize 1889

02.08.04.05.03 (n.) *Use/formation of new words/phrases*
coining *◊*1680-1712 · coinage 1693- · neology 1797- · neologism 1800- · minting 1841 · neologization 1846 · neonism 1846 · neoterism 1873 **01** *one who* logodaedalus 1611-1664 · mint-master 1641-1690 · logodaedalist 1727-1806 · neologist 1785- · neoterist 1873 · verbarian 1873 **02** *new word/phrase* mint phrase 1626 · mintage 1638- · neologism 1803- · neology 1846- · neoterism 1873 · coinage 1873- **03** *word/phrase borrowed from other language* loan-word 1874- · foreignism 1877- · lending 1884 · loan-form 1902- **03.01** *naturalized* denizeden word 1556 · denizen *◊*1626; 1933-1934 · hobson-jobsonism 1934 · replica 1956- **03.01.01** *process of nativization* 1970 **03.01.02** *not alien* 1884- · translation loan(-word) 1900- · loan-translation 1933- · calque 1937- **03.02** *reborrowed word* reborrowing 1953- **03.02.01** *action of reborrowing* 1933-

02.08.04.05.03 (adj.) *Pertaining to use of new words/phrases*
new-fashion 1729 · neological 1754-1774 · neologous 1812 · neologismal 1836 · neoteristic 1873 · neologicistic 1935 **01** *coined new-minted* 1598-1713 · new-coined 1598- · made 1607-1687 · coined 1881- **01.01** *able to be coinable* 1839 **02** *of a loan-word: adapted to native language* nativized 1933

02.08.04.05.03 (vi.) *Use/coin new words/phrases*
neologize 1846- · neoterize 1873 **01** *calque* calque 1958-

02.08.04.05.03 (vt.) *Coin new word/phrase*
coin 1589- · feign 1607 · mint 1659- · new-coin 1700-1804 **01** *borrow from another language* usurp 1531-1690; 1859 · borrow 1706- **01.01** *naturalize* enfranchise 1668-*◊*1748 (*fig.*) · nativize 1970

02.08.04.05.04 (n.) *Lexicography*
dictionary-making 1668- · lexicography 1680- · lexigraphy 1828/32- (*Dict.*) · dictionary-work 1887- **01** *lexicographer* dictionarist 1617 · lexicographer 1658- · dictionary-maker 1727-1882 · word-catcher 1735- · dictionary-writer 1742 · lexicographist 1834/43- **02** *lexicographical writings* lexicographics 1716 **03** *dictionary* dictionary 1526- · calepin 1568-1662 · world of words 1598-1696 · lexicon 1603-1848 · thesaurus 1736-1862 **03.01** *specific dictionaries* alveary 1580 · gradus *◊*1764- · Webster 1843- · the/an unabridged 1860-1894 · O.E.D. 1898- **03.02** *specific types of dictionary* interpreter 1607-1672 · etymologicon 1645-1862 · pronouncing dictionary 1764-1857 · rhyming dictionary 1775- · idioticon 1842-1883 · collegiate 1898 (*N. Amer., also Dict.*) · collegiate dictionary 1898- (*orig. Dict.*) · desk dictionary 1948- · learner's dictionary 1948- · reverse dictionary 1954- **03.03** *parts of a dictionary entry* **03.03.01** *head-word/-form* main word 1888 · head-form 1962 · entry form 1962- · head-word 1966- **03.03.02** *lemma* lemma 1951- **03.03.02.01** *act of sorting into lemmatisation* 1967- **03.03.03** *label* label 1911- **04** *vocabulary/collection of words* vocabular 1530 · vocabulist 1530(2) · vocabuler 1530-1706 · vocabulary 1532- · nomenclator 1585-1707 · word-book 1598- · verbal 1599-1623 · lexicon 1656-1823 · nomenclature 1659-1745 · vocabula 1698 · vocab 1900 **04.01** *one who compiles* vocabulist 1545; 1800 · nomenclator 1609-1622 **05** *vocabulary of proper names* onomasticon 1710- **05.01** *one who compiles* onomastic 1609-1716 **06** *glossary* glossary 1483- **06.01** *specific microglossary* 1955- **06.02** *one who compiles* glossarist 1782- **07** *dictionary of synonyms/antonyms* sylvá 1675 · synonymicon 1813 · thesaurus 1898- (*US*) **08** *thesaurus* thesaurus 1852- **08.01** *specific* Roget 1940- **09** *list of key-words* word-index 1937- · thesaurus 1957- **09.01** *concordance* concordance 1387-1869 · concordant 1625 **09.01.01** *one who writes* concordist 1811 · concordancer 1888 **10** *phrase-book* phrase-book 1594- · phraseology 1776

02.08.04.05.04 (adj.) *Pertaining to lexicography*
lexicographal 1685 · dictionarial 1750 · lexicographical 1791- · lexicographian 1815 · lexicographic 1816-1843 · lexical 1873- · lexigraphical 1895 **01** *pertaining to specific dictionary* Websterian 1874- **02** *pertaining to a lemma* lemmatic 1955- **03** *pertaining to a glossary* glossarial 1821- **04** *pertaining to a concordance* concordantial 1660-*◊*1802 **04.01** *specific* key-word-in-context 1959-

02.08.04.05.01 (*n.*) *Word*

10 *words collectively/vocabulary* wordhord OE • wordloca OE • vocabulary 1782– • wordage 1829– • wordhoard 1869– • wordlore 1904 • word-stock 1911– • lexicon 1933– • lexis 1960– • vocab 1971–

Level 1

I The External World

II The Mental World

III The Social World

Level 2

26 major categories

Level 3

354 categories

236,400 categories and subcategories in all

I: The External World

01. The world

01.01. The earth

01.02. Life

01.03. Physical sensibility

01.04. Matter

01.04.01. Alchemy

01.04.02. Chemistry

01.04.03. Properties of materials

01.04.04. Constitution of matter

01.04.05. Liquid

01.04.06. Gas

01.04.07. Physics

01.04.08. Light

01.04.09. Colour

01.04.09.07. Named colours

01.04.10. Condition of matter

01.05. Existence in time and space

01.06. Relative properties

01.07. The supernatural

02.08.04.05.01 (*n.*) *Word*

10 *words collectively/vocabulary* wordhord OE • wordloca OE • vocabulary 1782– • wordage 1829– • wordhoard 1869– • wordlore 1904 • word-stock 1911– • lexicon 1933– • lexis 1960– • vocab 1971–

wordhord	wordloca	vocabulary	wordage	wordhoard
OE	OE	1782–	1829–	1869–

wordlore	word-stock	lexicon	lexis	vocab
1904	1911–	1933–	1960–	1971–

wordhord
OE

wordloca
OE

vocabulary
1782–

wordage
1829–

wordhoard
1869–

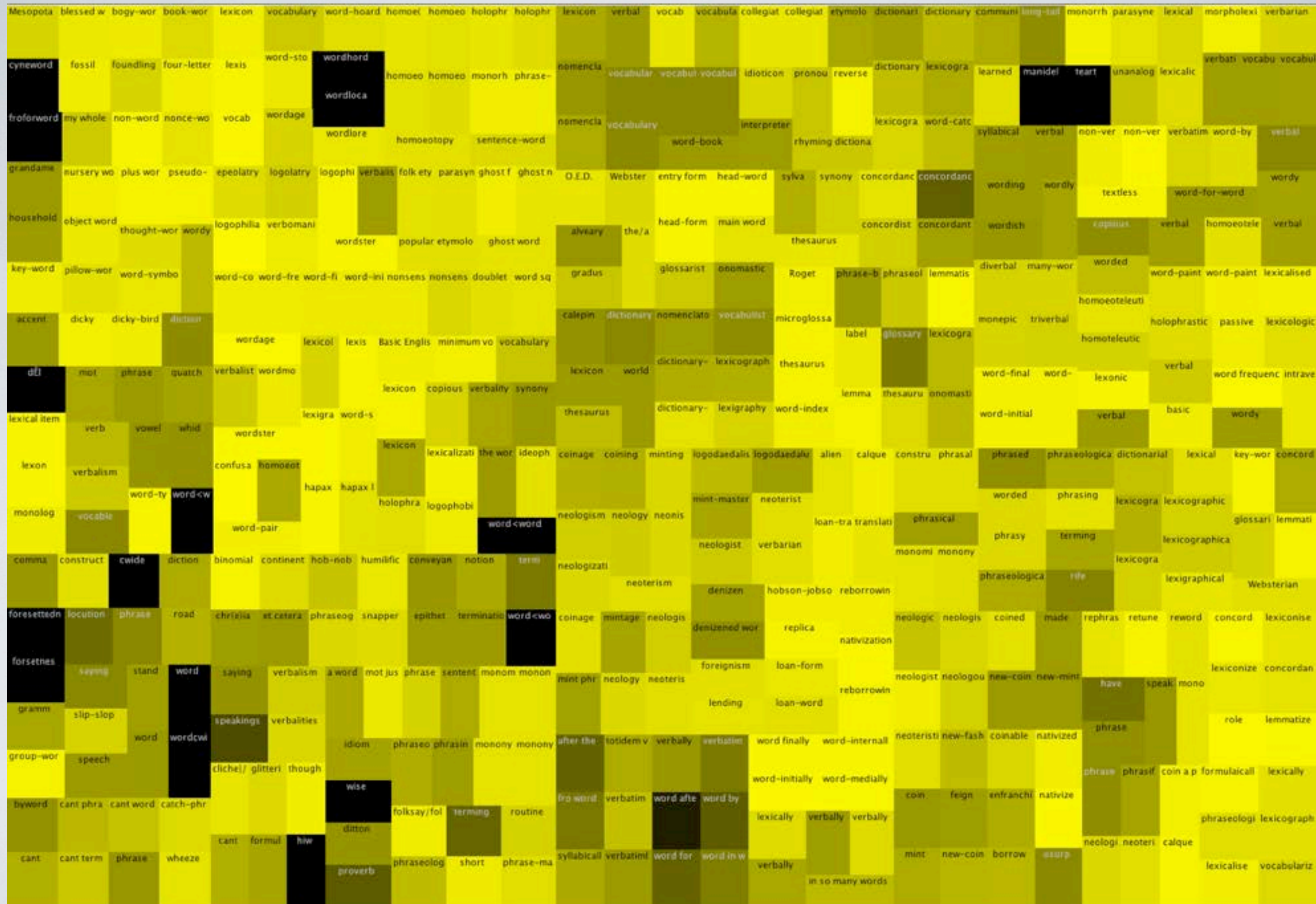
wordlore
1904

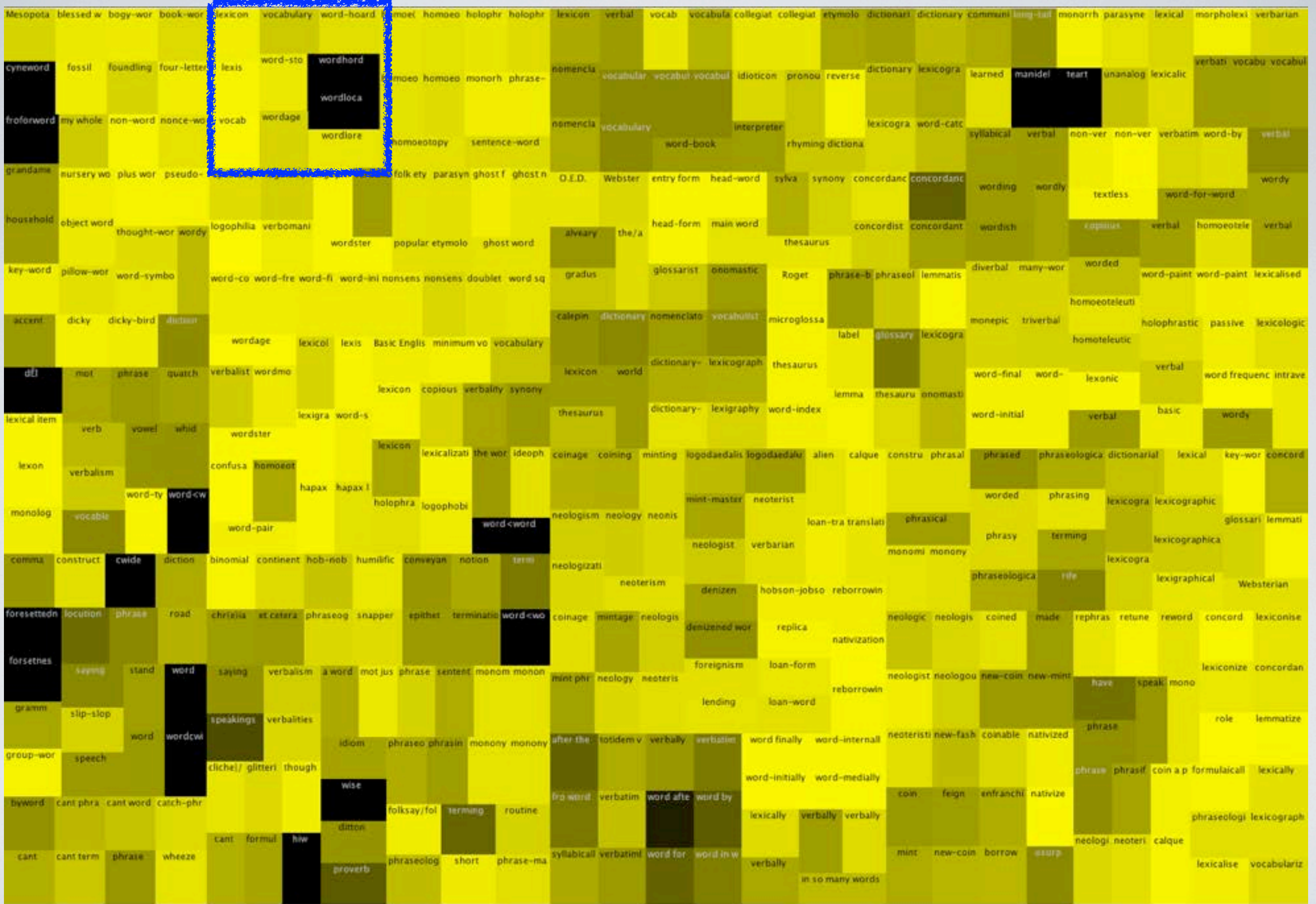
word-stock
1911–

lexicon
1933–

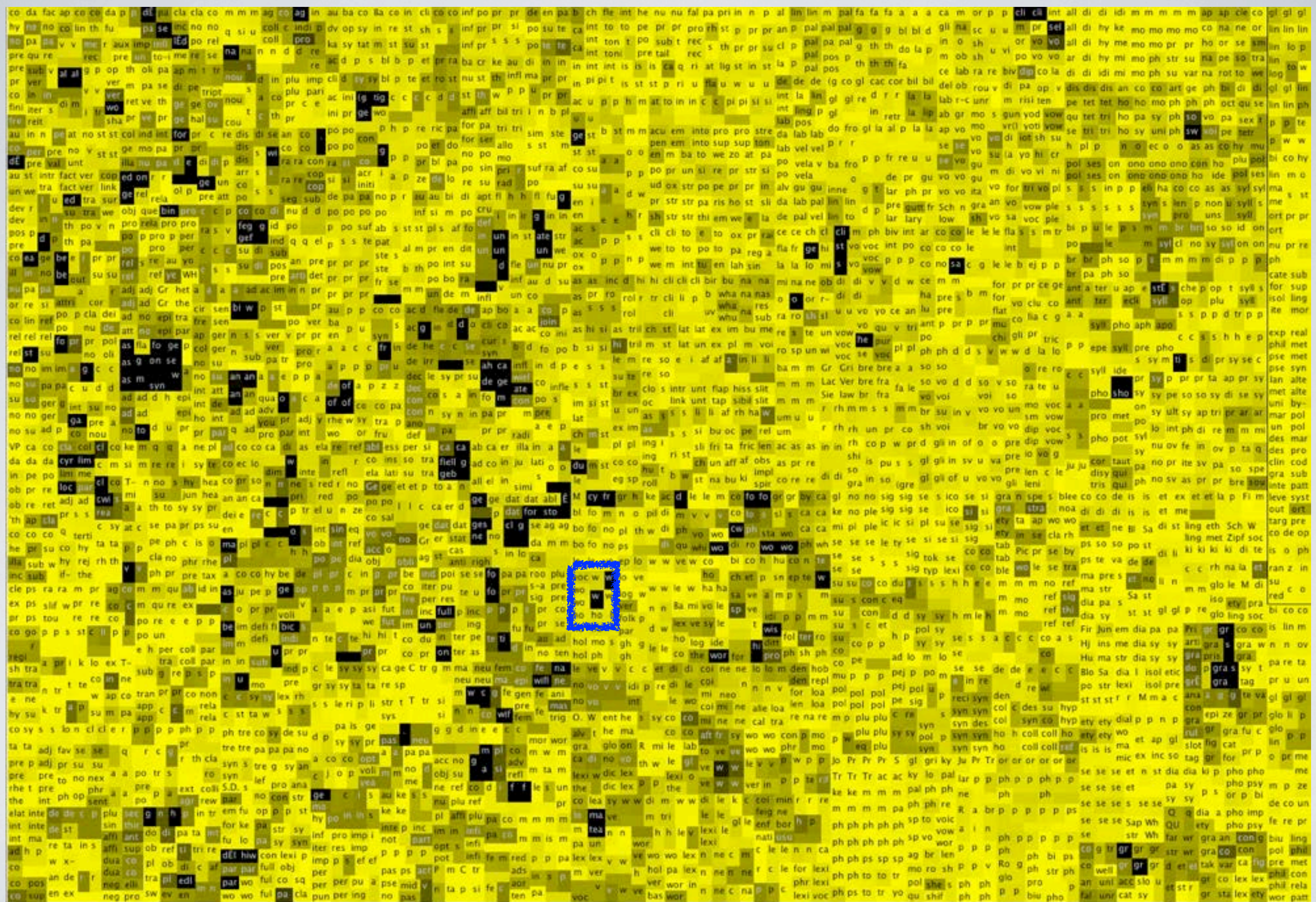
lexis
1960–

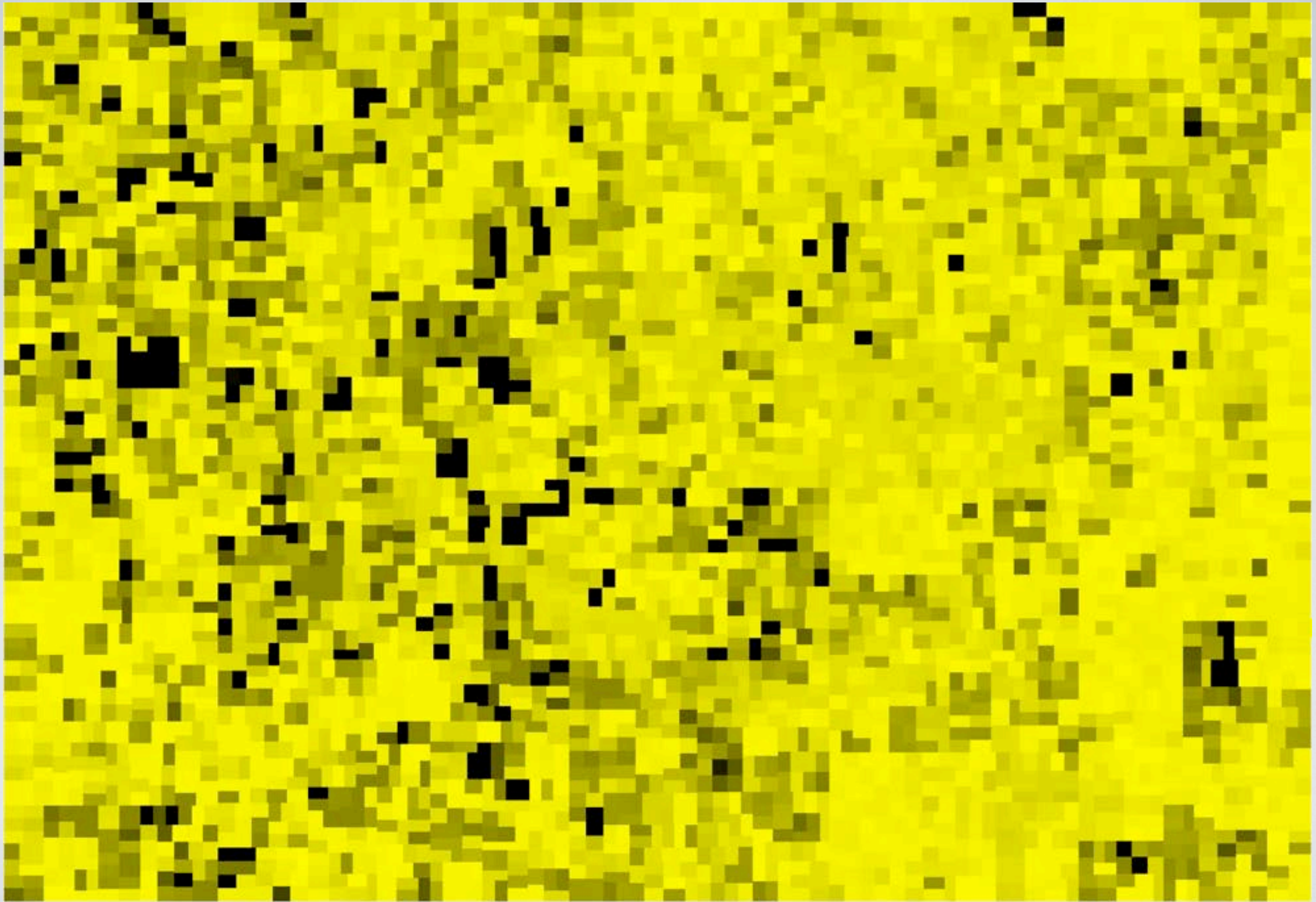
vocab
1971–

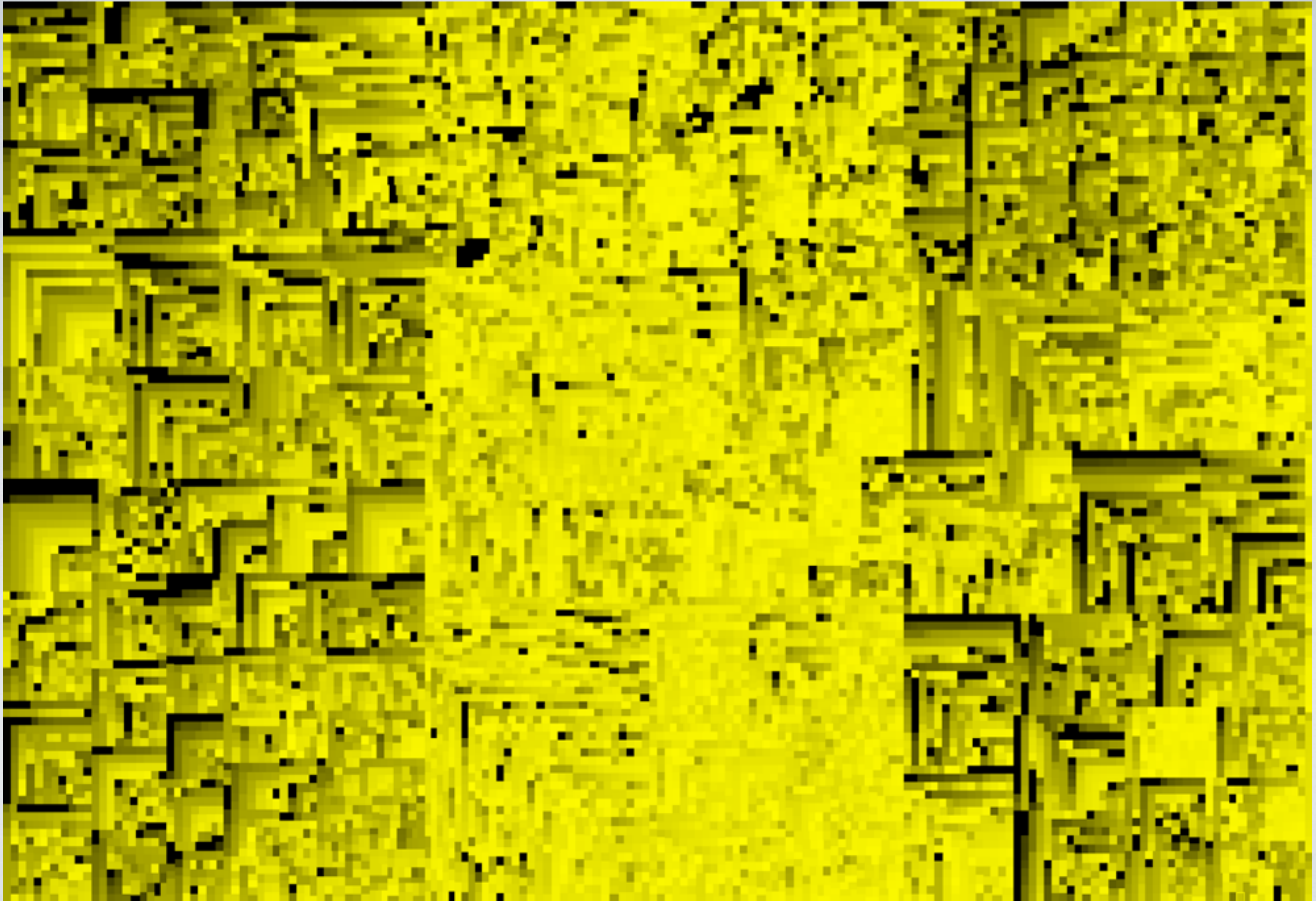


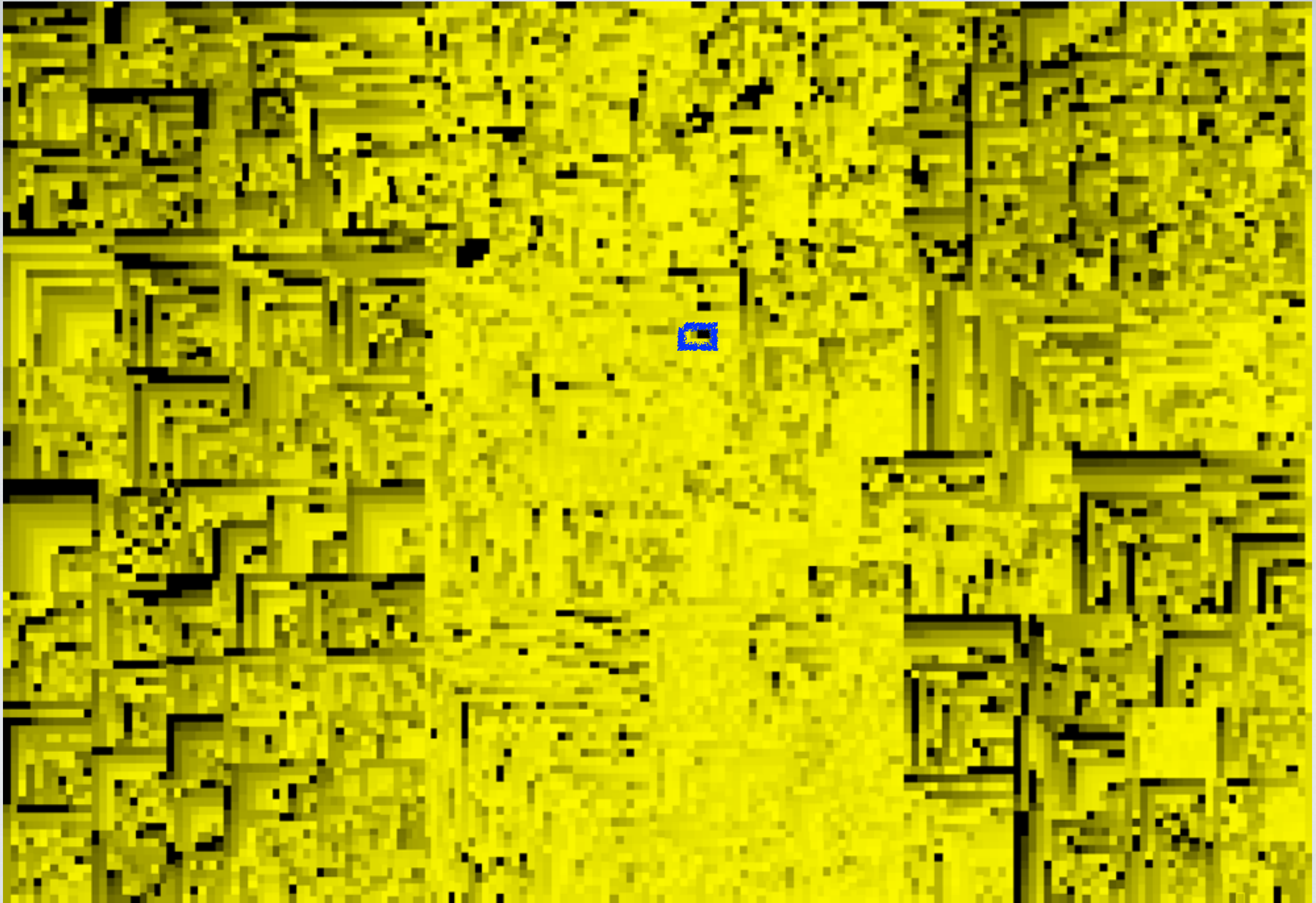


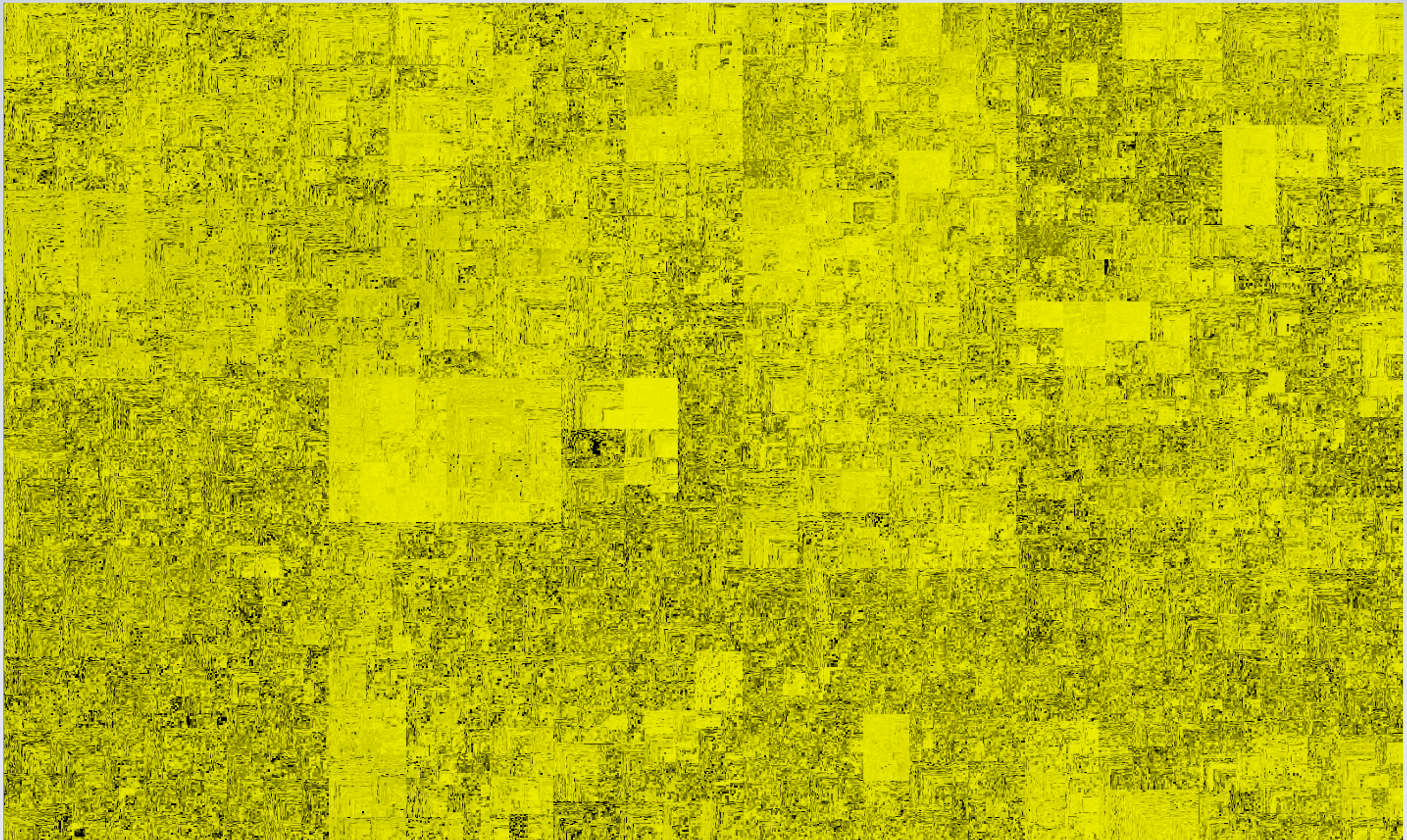
4652 words





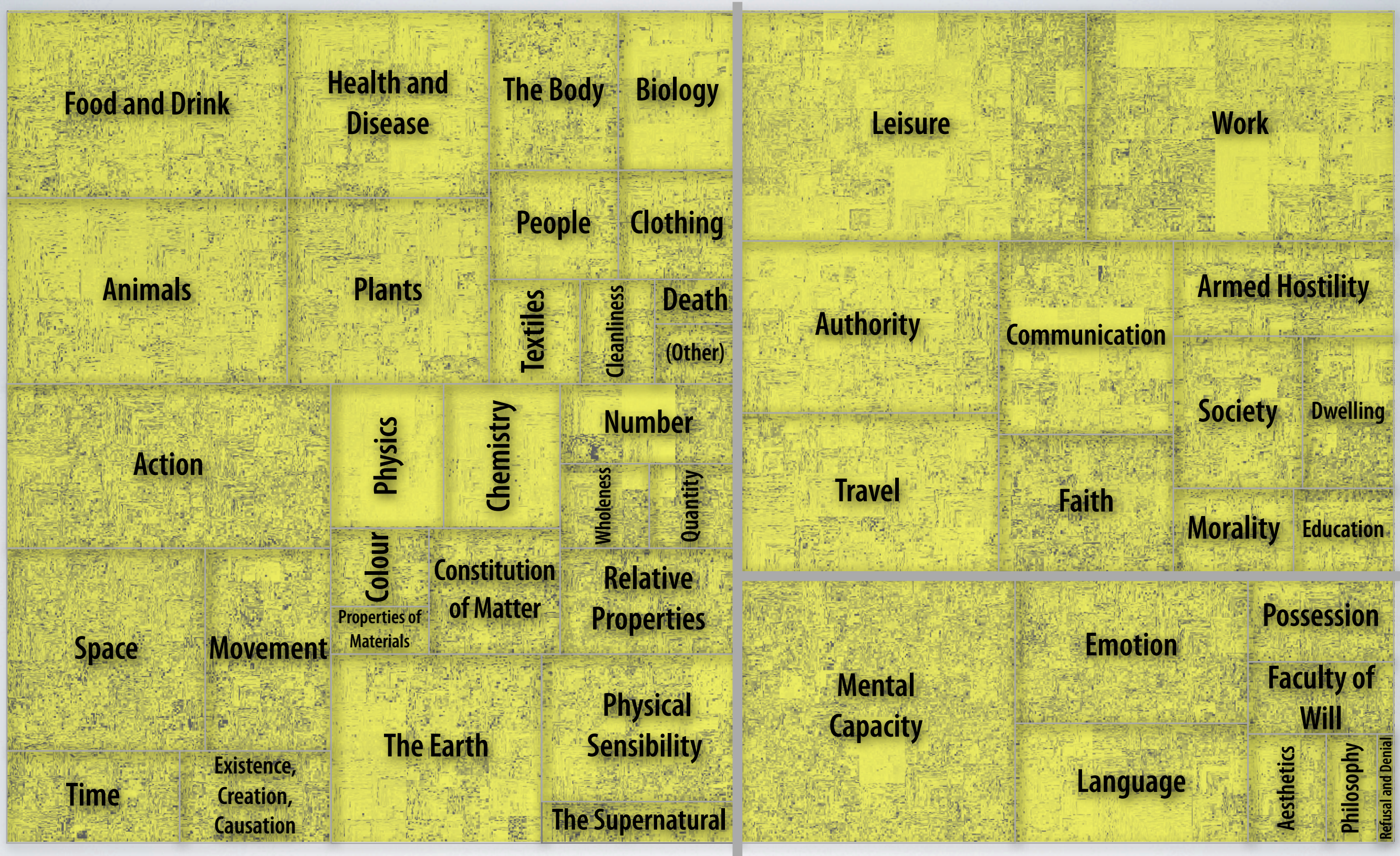






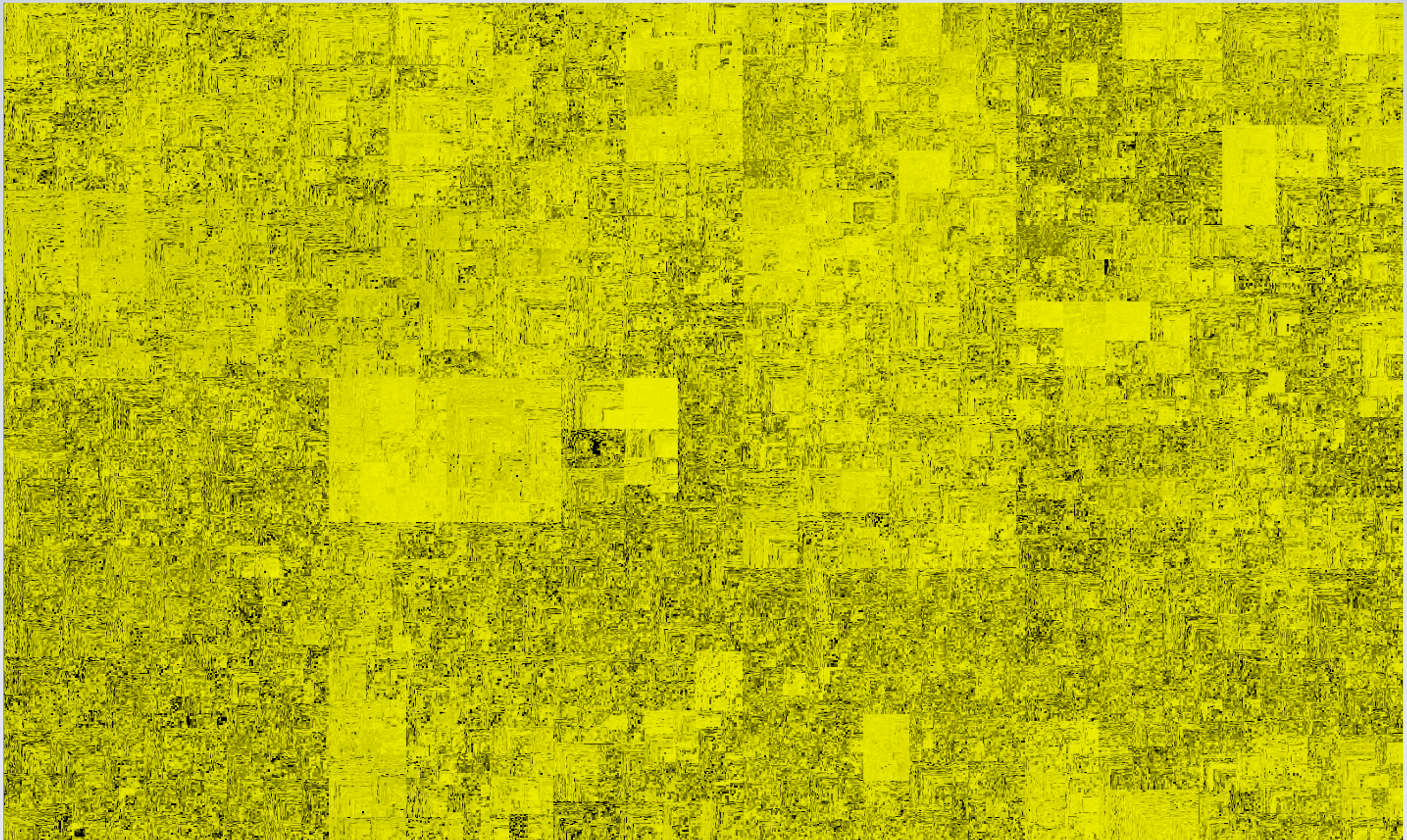
Modern English

469,470 words;
those cited after 1860AD
or marked as 'current'



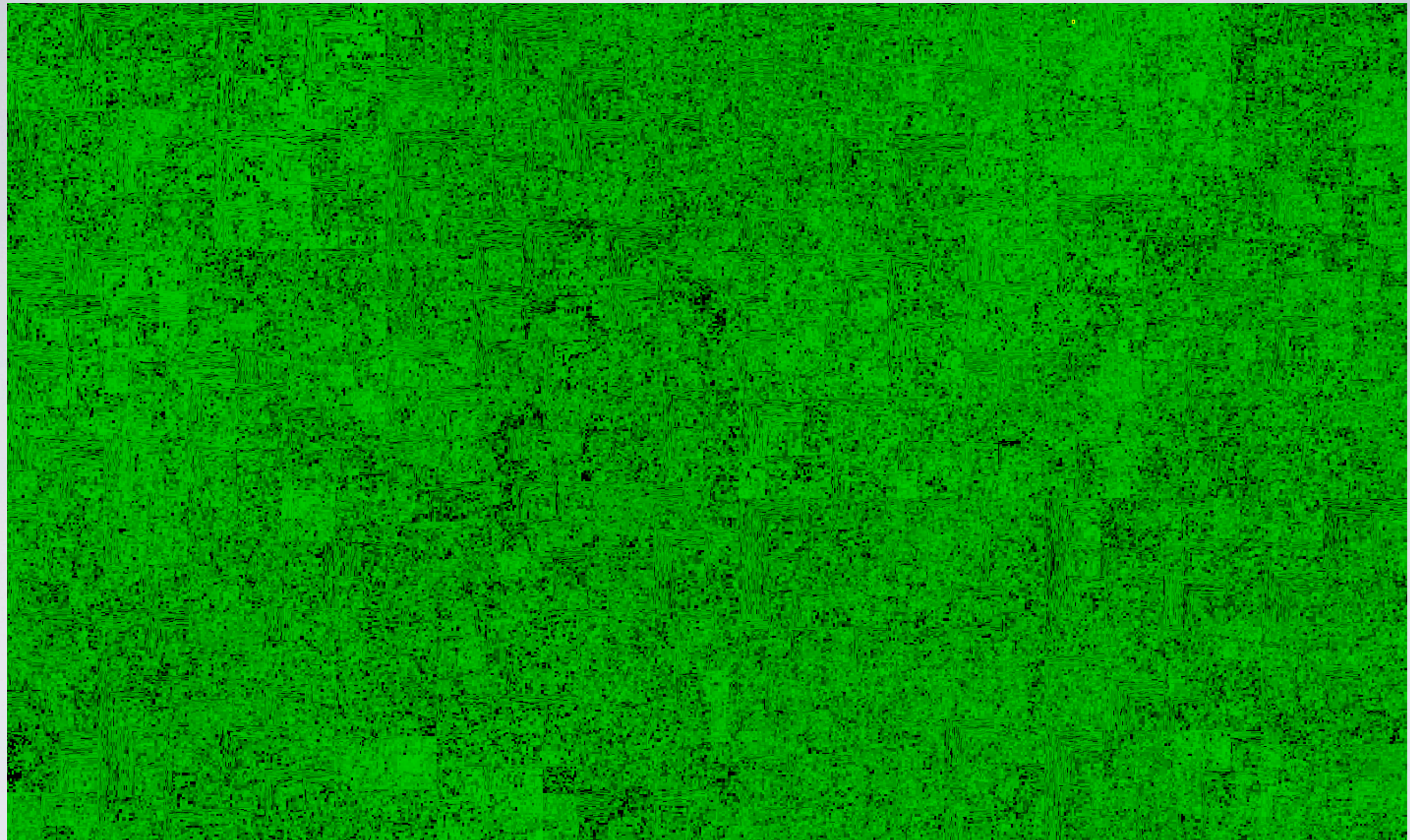
Modern English

469,470 words;
those cited after 1860AD
or marked as 'current'



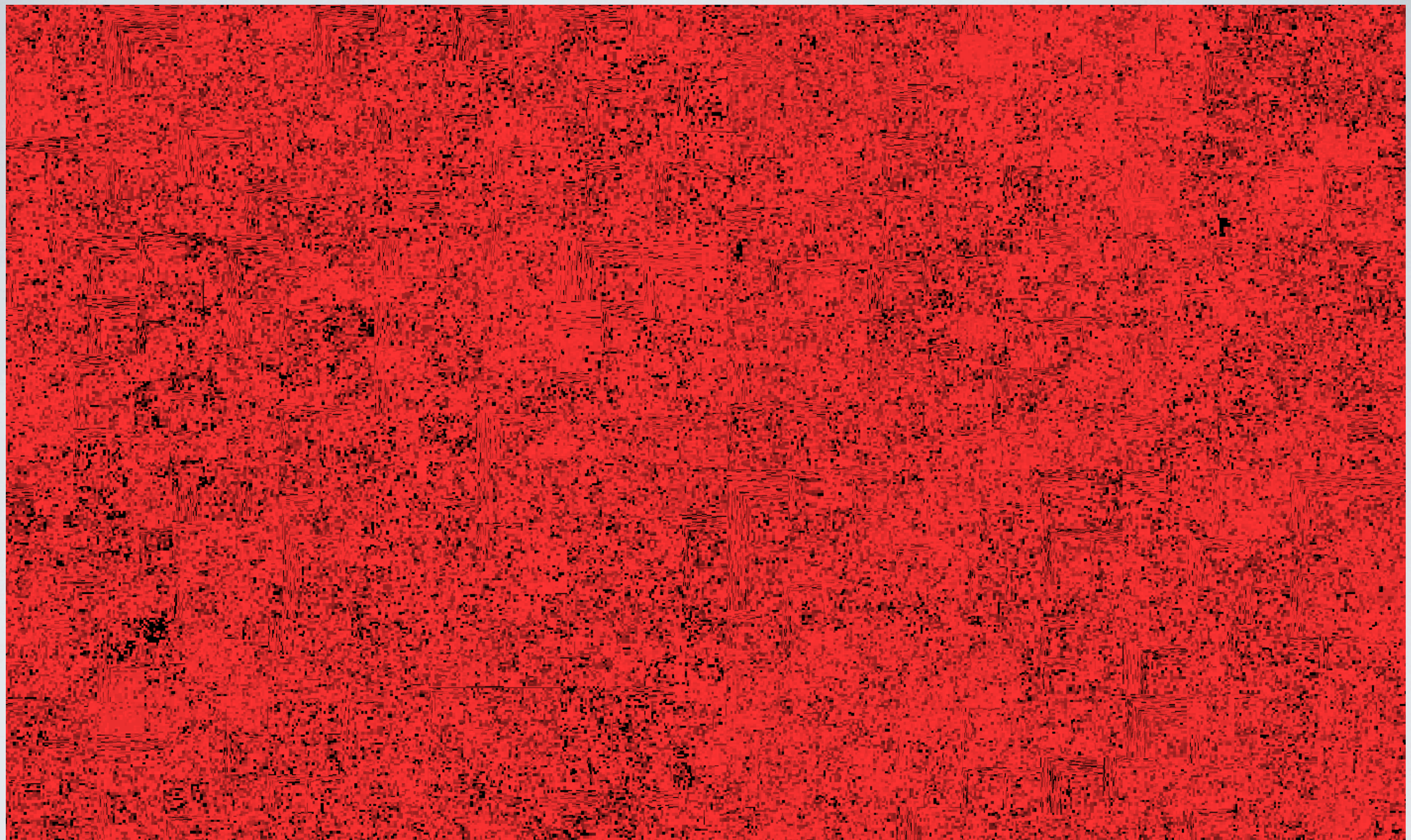
Modern English

469,470 words;
those cited after 1860AD
or marked as 'current'



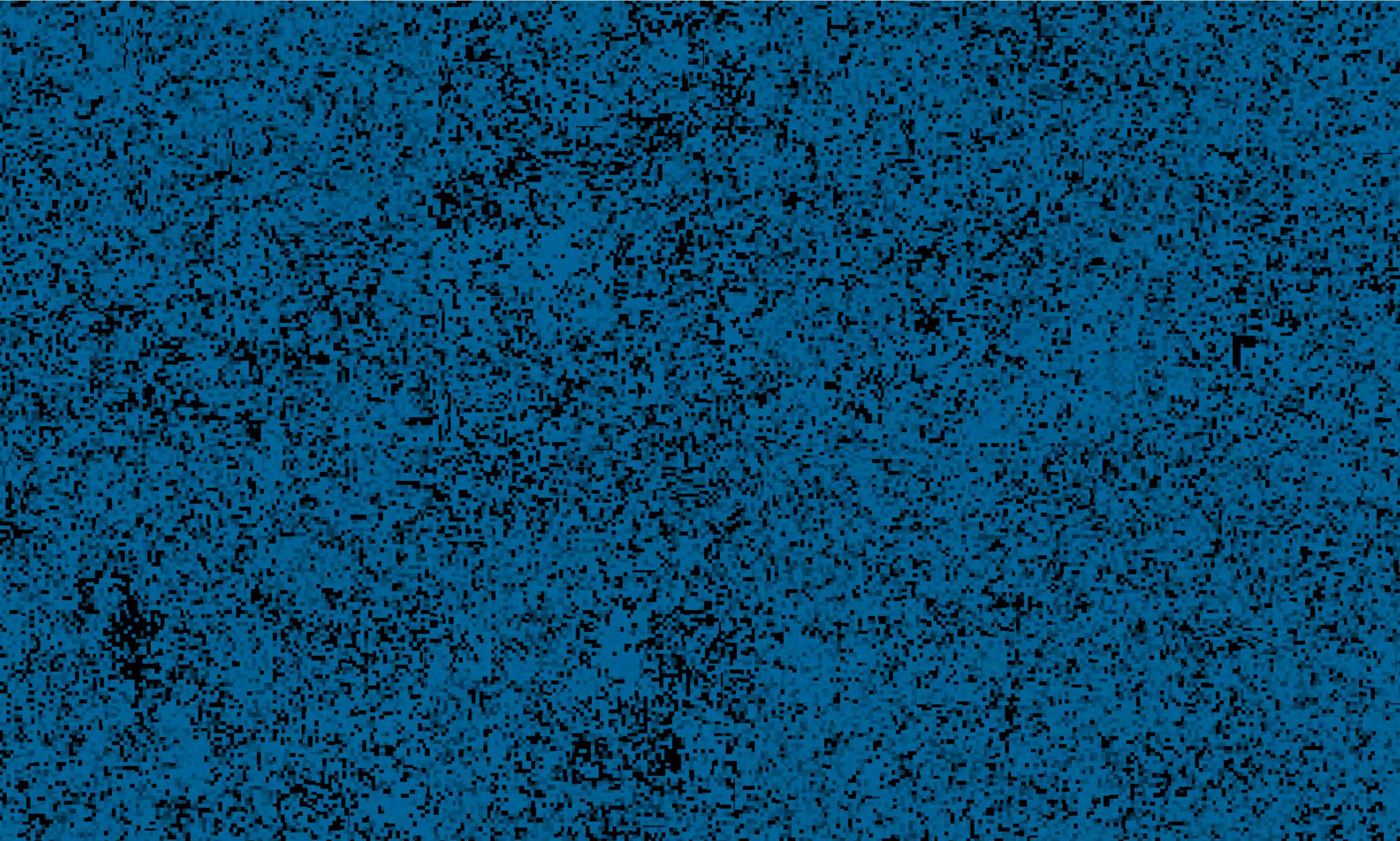
English in the Age of Johnson

247,933 words;
those first cited before 1784^{AD},
and last cited after 1709^{AD}



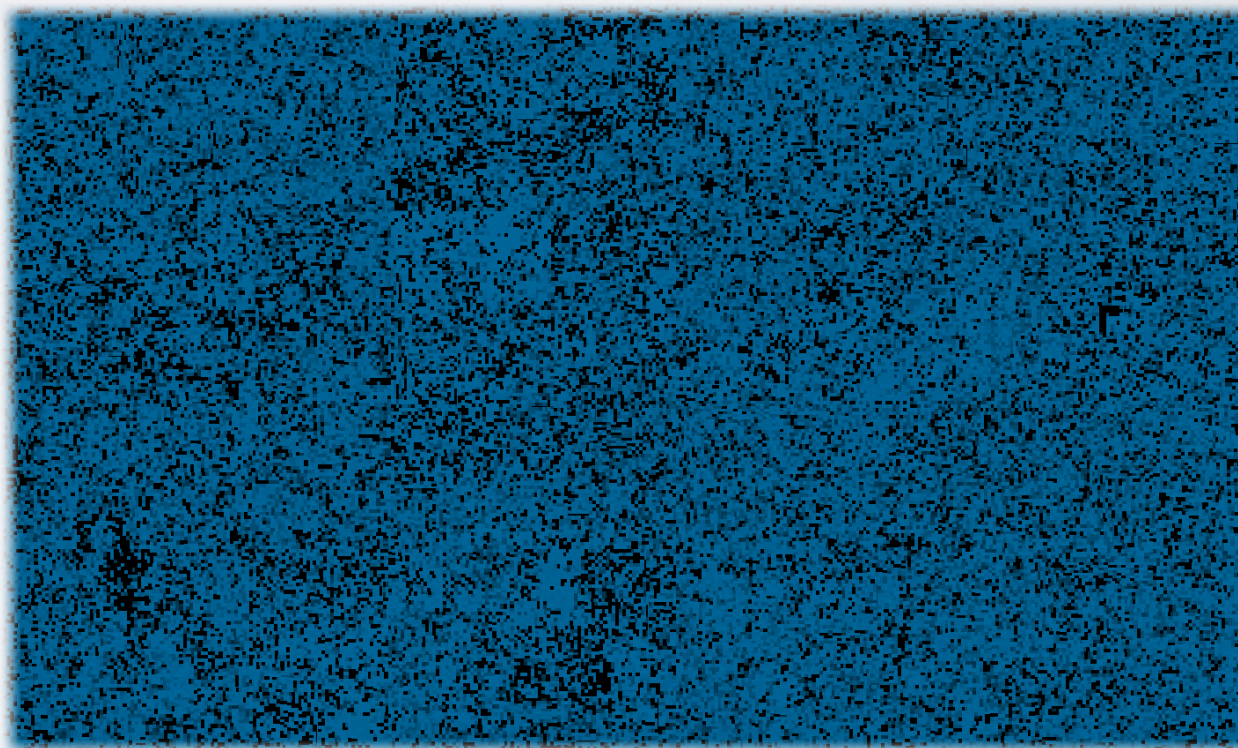
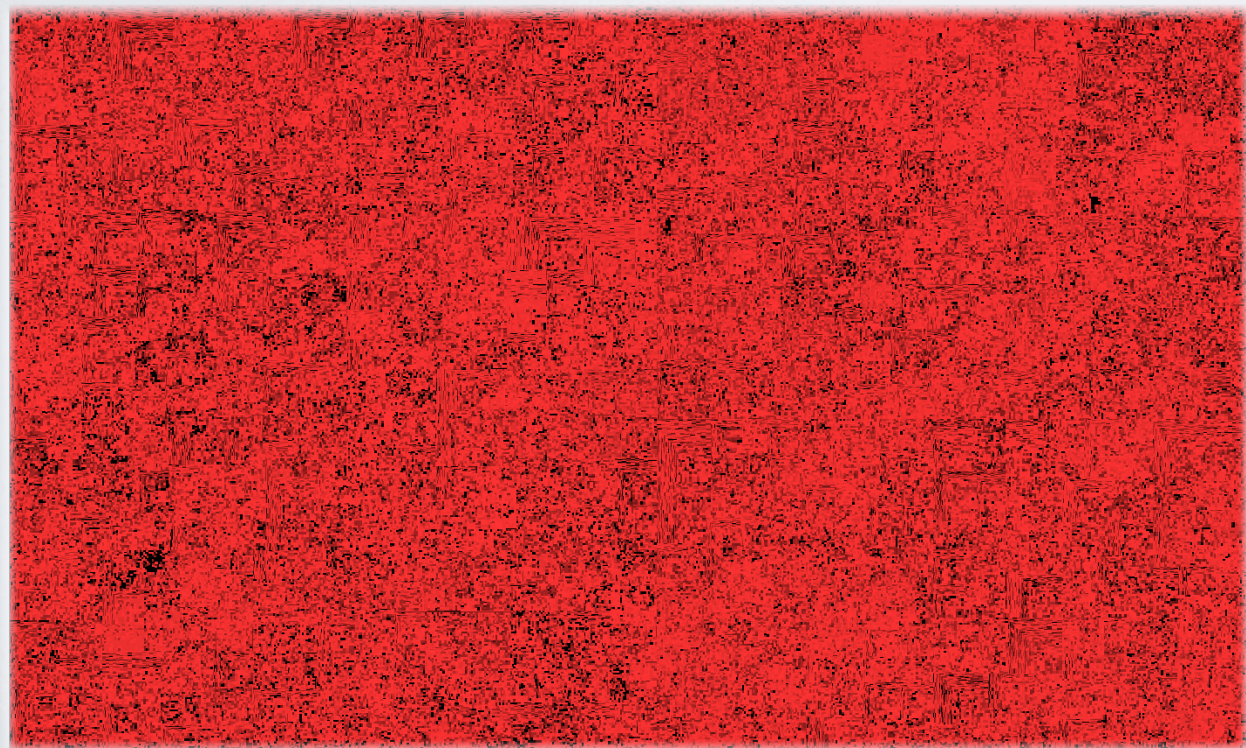
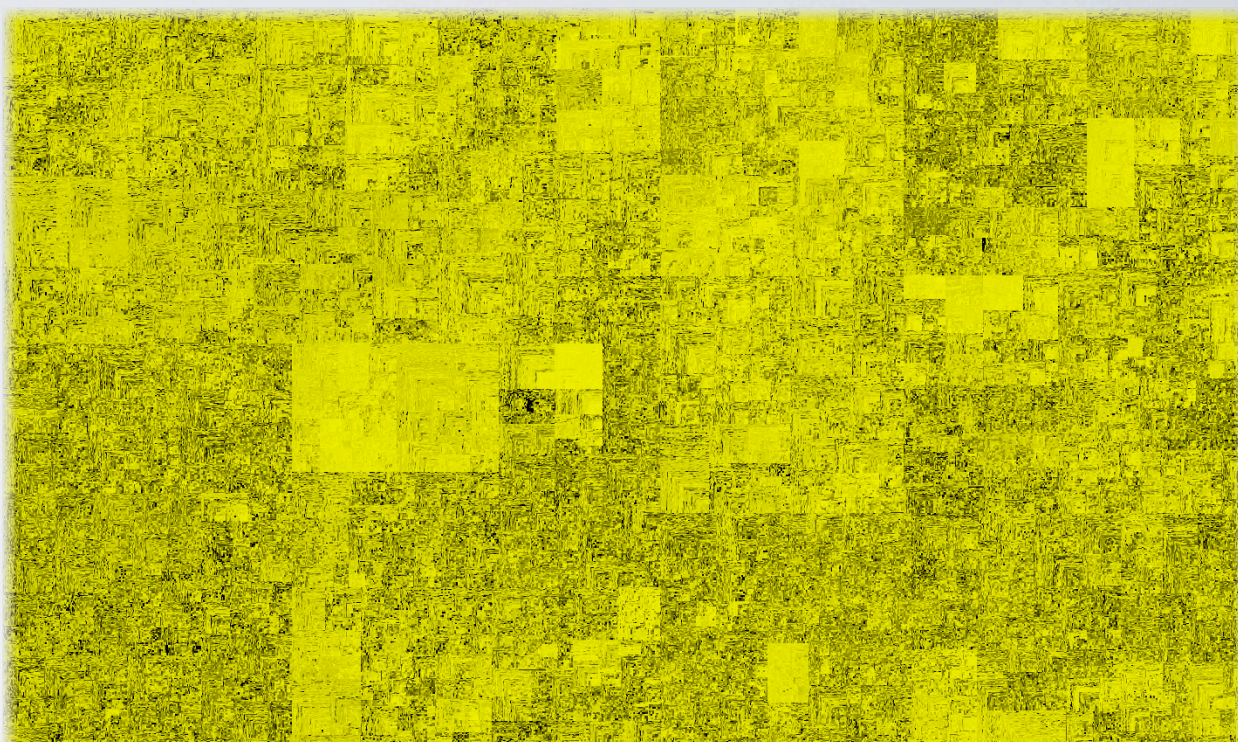
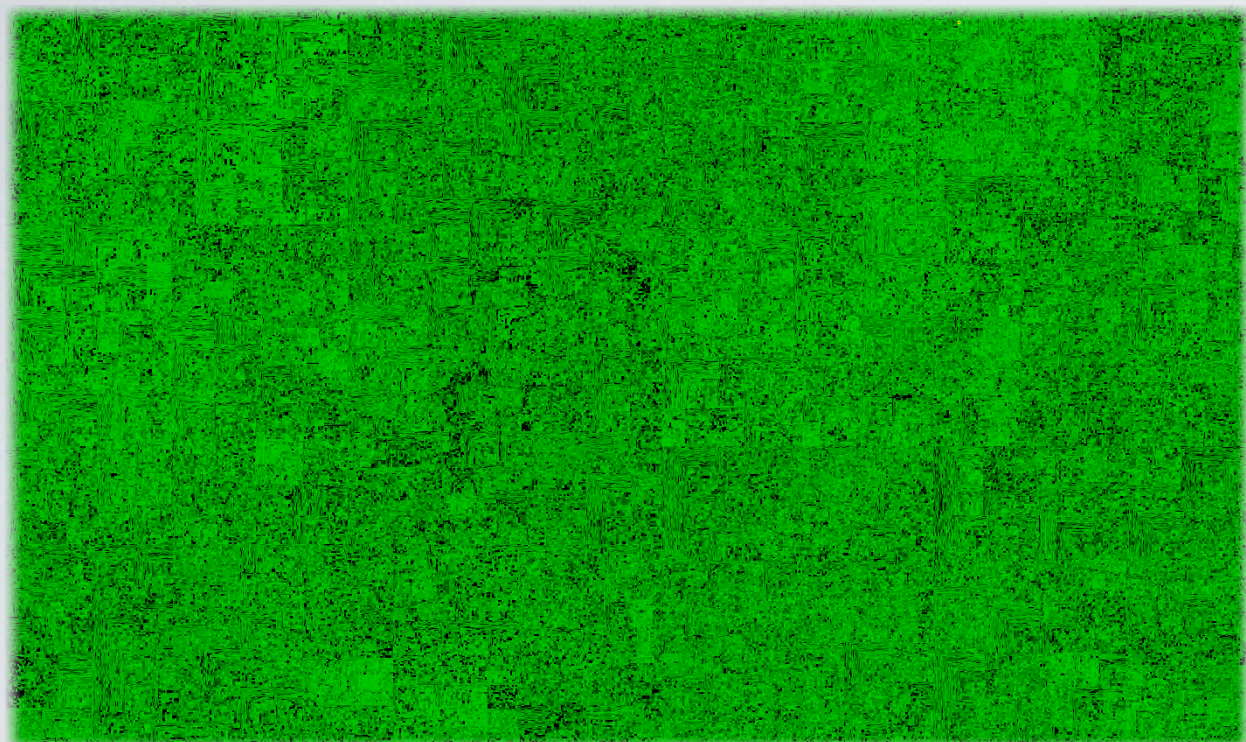
English in the Age of Shakespeare

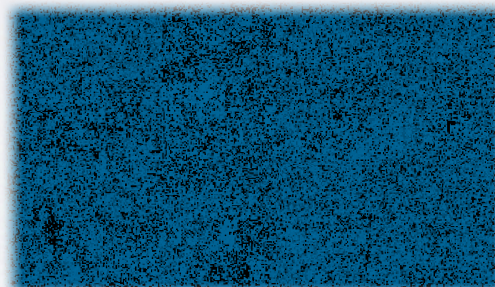
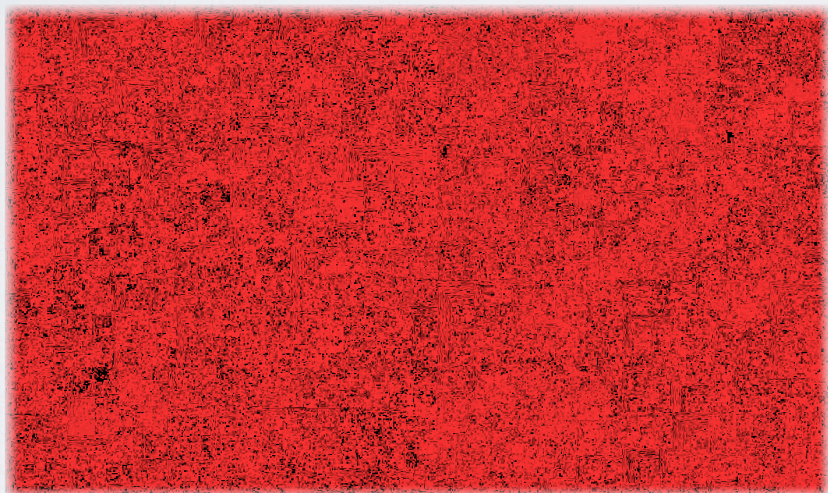
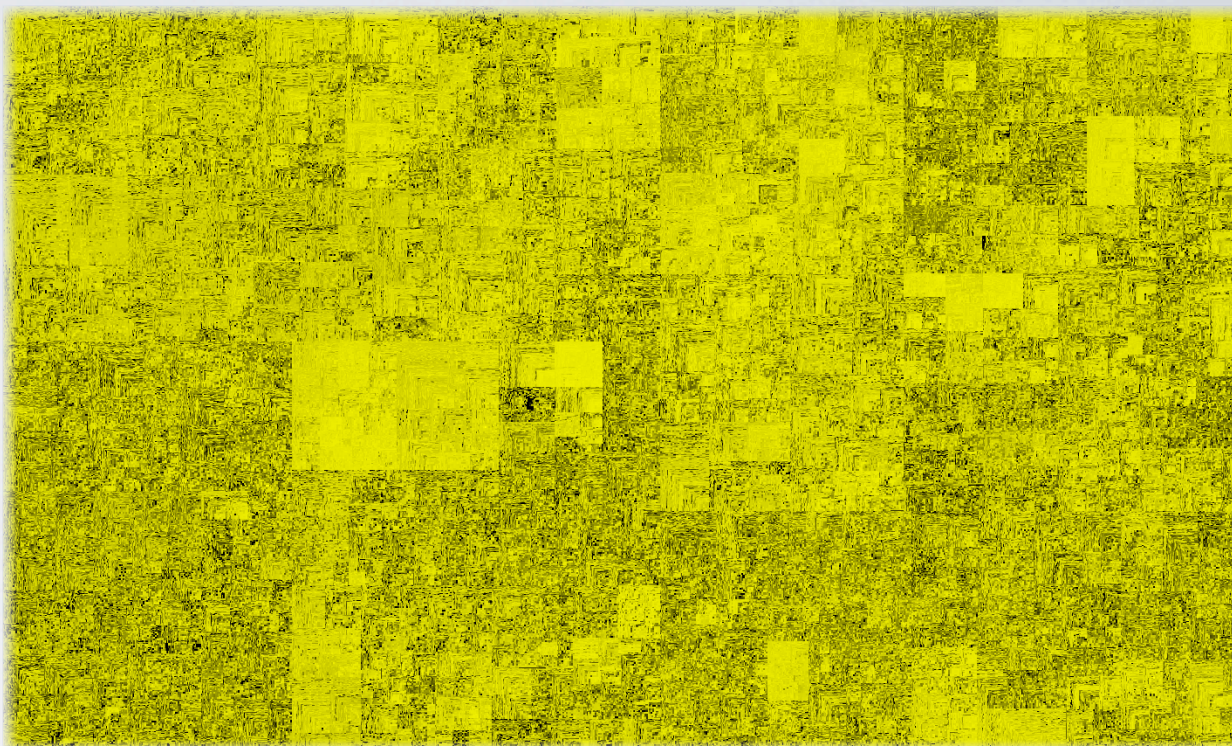
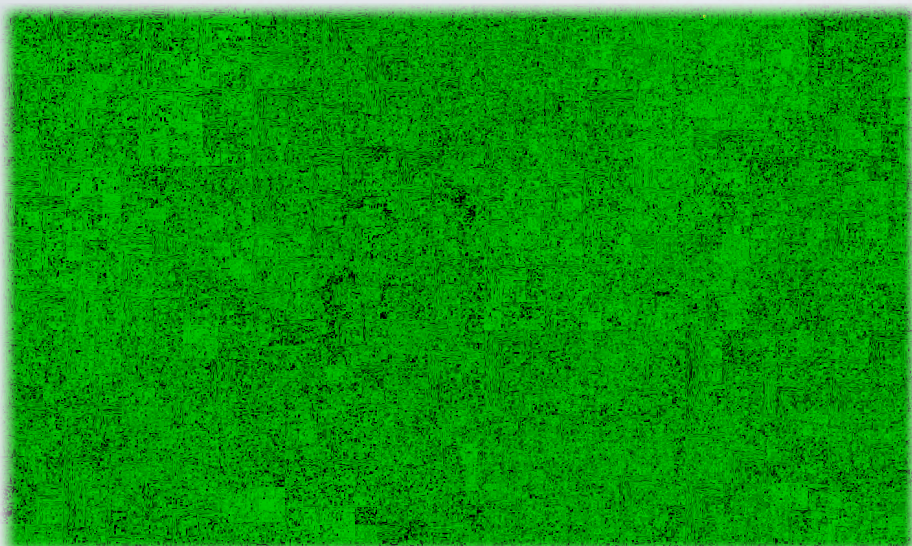
207,930 words;
those first cited before 1616AD,
and last cited after 1564AD



English in the Age of Chaucer

73,432 words;
those first cited before 1400AD,
and last cited after 1340AD





lap-h transp lap po coliat repro sorter mast pap perf contro cursor monit VDT desk home inpu mar data data chec parity redun batc in-li arch bac rea bloc dat resi stac browse global hit hash hit rate AND nega NOR biqui digital com com
 lap-t laph lug por inter stack tap tap punc pun pun esca ret ret vdu/ Willia micro PC mar capt inpu read Ha su su vali inter list p read sav stor rea rea dir ind digi digi pack hash strea block datab invers NOT OR hex digital hack tec
 lugga lapto read tabul verifier punc tape funct tab visual Willia micro perso capt inpu bat ma batc tele pre pre bau bps read write bac stac sav writ has has knowl flag enco Soun archiv NAN NOT A hexa hexa hacker
 disce/ diske pre sum MIDI MIDI over sum sele Willi fath gran plott plott dum hard pagi scrol key key i process parity c inde stac pre- heur cop dum exp storage label sort k acces trap- data comp comp comm mous friendl user-
 floppy mic zone speech sy tape-pun Williams t son plotting ta print-out windowin mar tap validity sum pass thro stop import recall fiel item pro tabl add ma collisi block rehas enco Soun comp comp down on-lin comp infote
 floppy mo trac WORM externa scroll optical desk-t storage overpu bubble disc sto post pre- garb GIGO reke audi heur garb list roll out record dat retr pop pull refres reduc pack flag push comp techie off-lin up inform IT
 activ scree write o periphe scrollab optical person storage zone magneti disc sys updater out rea I/O inp post-e job bau garb reke data DBMS lock-out mat mat digi digi sort dump tag pop syste syste flow d flowsh hackin hack i
 fiat-s scree tracker dis driv screen carriag keyboa light-gu (acousti Centron differen analogu batc batc i/O inp pre-ed Ada BASI Cob Fortr interi multi multi copr micro micro patch patch monit operat AND cryos buffe buffe bit byte diode thresh logic e thresh latch logic g
 keyp sum har Win bra thin boot boot reb war key sum pag scrol key pun exte Job pre-ed DBMS lock-out mat mat digi digi sort dump tag pop syste syste flow d flowsh hackin hack i
 keyp tape touch ta opti opti mic tap han pal phot intelli disc c juke- disc write optic WOR partiti Algol Lisp Pas PRO multi paral time- micro multi Risc patc patch pl soft system invert negat buffe worki meg mega positiv transi logical thresh logic c para
 drum magn wand stre tap em wor write hybri perip printe laser plotte linefe lpm/L touch APL LOGO multi time- unipr micro trans unipr patc patch-b supe system(matri statici worki work mega nibbl upg upw in-li off-i mult mult unfri user
 drum mem gig me dot CAT scroll mous datag paddl keybo toggle keybo chain linked spell spe spe bala push centr CPU core core file s host data satell elect email obje objec mail- spell upwardly on-line multi-use user-unfri
 matri scree teraflop bpi den Co Tel c.p.s teraft split micro digita learni footpr clone emula list queue spell threa top- main prog core twist main serve termi work Telet voice obje targe spre chain com mac fuzz logic cybe hack hex hex
 scree wind key key dot mat acc regi wind inter refre comp super array tele(- teleco teleco push- string spell spell-ch colo com expan me memo sto packin vol fast st scr overla roll EARO RO DRAM ra cell sto LAN net machine- logic hacker octal
 calcul comp keyboar writ stor vie win text wor palm laten wrap Turin super teledil supp up-gr plug-back car dau prim wire expan memo read- imme paging EPRO RAM memo local a Gray c add-o user-d plug-c downti floatin Gr add-in user-d compu dumb
 hole overp dis Win wys plu aut finit work keyp curs differ sched boota scroll echo scr mother p-co pseu utilit utilit alphan ch delimit wil boot u bo boot en roll in shi addres high-le machin subscri log-in virtual hyperte comput architect
 keyp prep inter skip dot webwa array gener clip scroll sour sour utility rout alphan subscri boot (u boot u roll out addres low-lev proble tagged log-on VR hyperte comput pipelini add-in comput machin user int friendli
 fifo/ firs last direct indi rela com inst stat comp comp code code librar progr pro pro interl paralleli dais patc slot DBMS bus(s) Multics co gra des me dial pro syn synt ma ma co job list list pee pok add-on comput uptime WIMP user-fri
 lifo/Li fir las imme symbolic functi threshol comp comp progr progr partiti suite arra pa sta dais patc com lang highway Unix/U comput comput log-in passwo EPOS
 fifo/Fi lifo/LIFO microc mi compu wo load loa interrui vec call run link in-line vectori bloc vector hard- si program convert time-sh tag inter PEE rebo war end pag netw dais boot appl wor spell AI product hyperm BCD overflo
 abs dire imm micro virus load-a interrui invoke write open s vectori contr pro regi on-chi Bac Back digitize time-sli Tagging wire- upda overs down trans dyadi decla push forma hard artificial product hyperte binary- underfl
 indire rela sym three- indexe ma ord op ope mic mic ma ma sort sort con con EOF EO inde shift reg read- sta BNF control time-sli B-tree cryotr PEEK mem POKE plane deco netw neura Euron host fuzz fuzz pre vanil pipe nativ defa kno
 point vector a Initiali init virus sign bit de trac logi tim mul ove real run mic mic de trac log o log in read- asse asse ALU simulat file han port node vapo teles firmw dongl boot- inter transi comp stan sync klud pass norm telec comp
 bloc mod parti initiali load global v recycle mod repr repr hype prog micr micr addr log-i log on non-v vol assembly arithme simulat file man coinci collisi applic finan CPM comp clippi CAD comp ply pre- neste com unfri infor livew comp
 proced subpro modul str load-an variabl re-run back inde linef Ham word data litera ident log o log out front- fro word-ti screen random pipeli conne applic virtual subs subs data data form refor syste reco defa icon user bells hacki
 routine subrout modul comput index prepro diag micr label deb brea traci patc infec log o log off front e word leng arithme edit ASCII lock- bulleti parse exper file- chara chara POKE PEEK e-ma samp knowl bina norm mant inde simul
 esca esca esca pseud ps progra index well-b microco control structu runn skip varia run re-e inter garb loop asse assemb monito format cache word pr boot half- e-mai MailM diagn file chain reset blee time- inter ware kludg logical com confi reco nor
 shift shift co parity pa microco link global vecto primi nesti run ti recycl repr add AND asse assemb mail- ma data disc cache WP boot up e-mai MailM Polish hard- lock wor downl acces upgra kludg negati
 zap switc patc parity micropr re-entr re-ent resid tree dictio comp progr disc post-pr mail- file network word-w dial up clock e-mai MailM Polish file tr lock wor downl acces unbu script truth-
 loop swi recursi vectori initializ alpha dir file lips softw sprea backs interle

Enemy							Enemy		Enemy		Enemy	
							(..deadly enemy)		(..public enemy)			
							(..terrible/harmful enemy)		(..particular enemy)		(..ancient foe/hereditary ene	
							(..old foe(s))		(..royal foe)		(..fierce enemy)	(..enemy who pois
							(..chief enemy)		(..(of dragon) twilight foe	(..boastful/arrogant ene	(..enemy armed with sw	
							(..enemy who pret	(..applied to pers	(..resolute/steadf	(..enemies)		
							(..enemy that attacks persiste		(..one regarded/	(..sudden/danger	(..position/relation	(..hostile grip of a f

Terms of endearment												
darling<deorling	(my) love	suckler	lamb	mopsy	muss	honeysuckle	sweetkin	pinkeny/pinkany	bawcock	sparrow	sucket	tickling
culver	cinnamon	honey-sop	coz	bulkin	wanton	bun	bulch	duckling	bulchin	sweetling	frisco	bunting
belamy	honeycomb	butting	sweet-love	chuck	nutting	deary/dearie	lovey	puss	dovie	pretty	sweetie	ducky
dear	(my) dove	whiting	(my) ding-ding	wanton	bagpudding	cocky	lovey-dovey	(my) cabbage	acushla	pet	pebble	old thing
sweetheart	mulling	fool	pug	joy	fitter-mouse	nykin	toy	macushla	luv	hon	honey-bun	honey-bunch
sweet	daisy	beautiful	golpol	duck	(my) ding-dong	pinkaninny	treat	bach	lover	pussums	honey chile	sugar
heart	turtle	turtle-dove	sparling	ladybird	dainty	nug	machree	prawn	snookums	ducks	honey-baby	lamb chop
honey	powsowdy/powsoddy	bully	soul	sweetkin/sweetkins	fub(b)/fub(b)s	chucky	alanna	so-and-so/soandso	treasure	pumpkin(s)	luvvy/luvvie	

Existence in time and space

Authority

Work

Armed
Hostility

Society

Morality

Leisure

Faith

Travel

Inhabiting

Communication

Education

Relative Properties

Life

The Earth

Matter

Mental
Capacity

Emotion

Possession

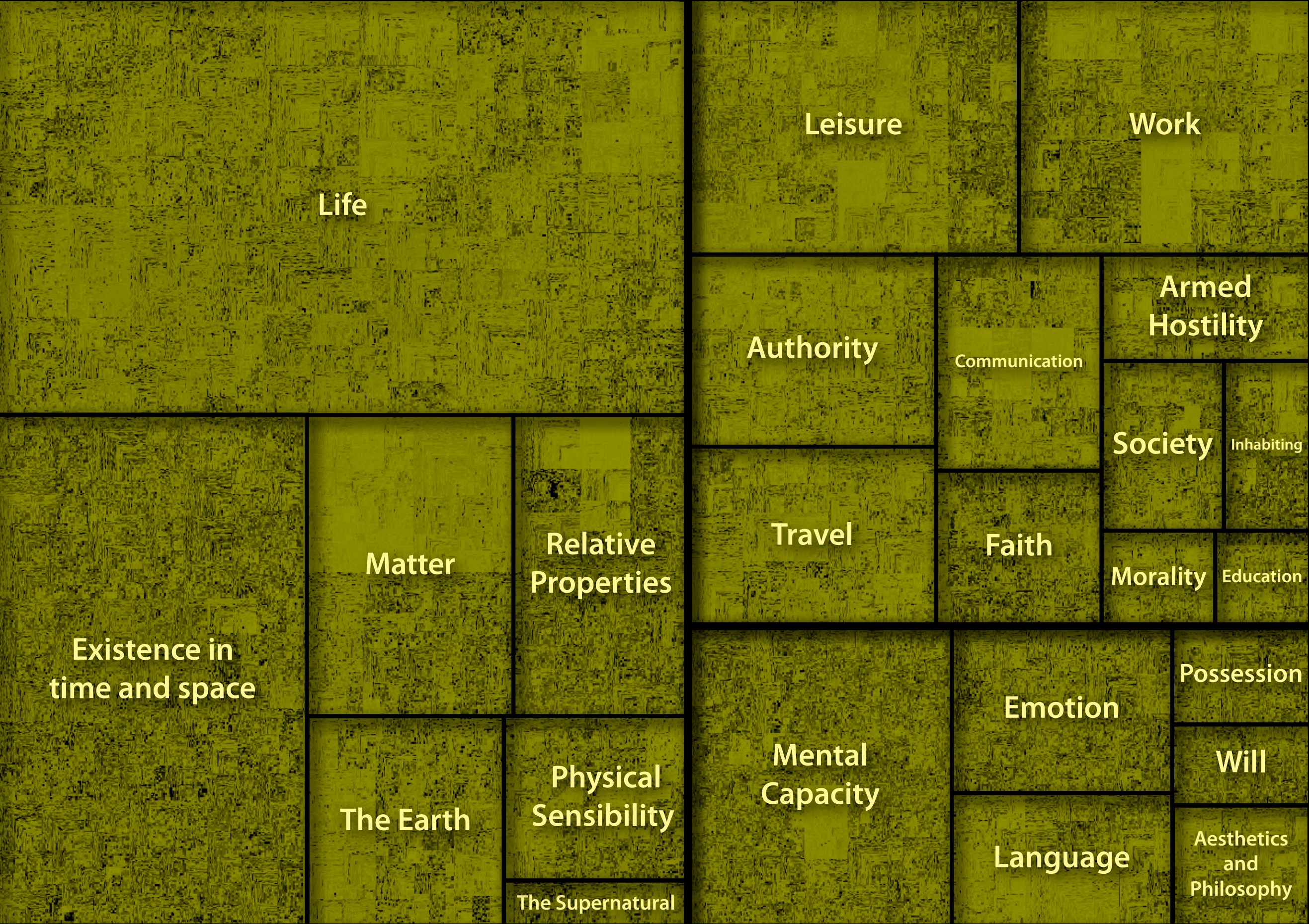
Will

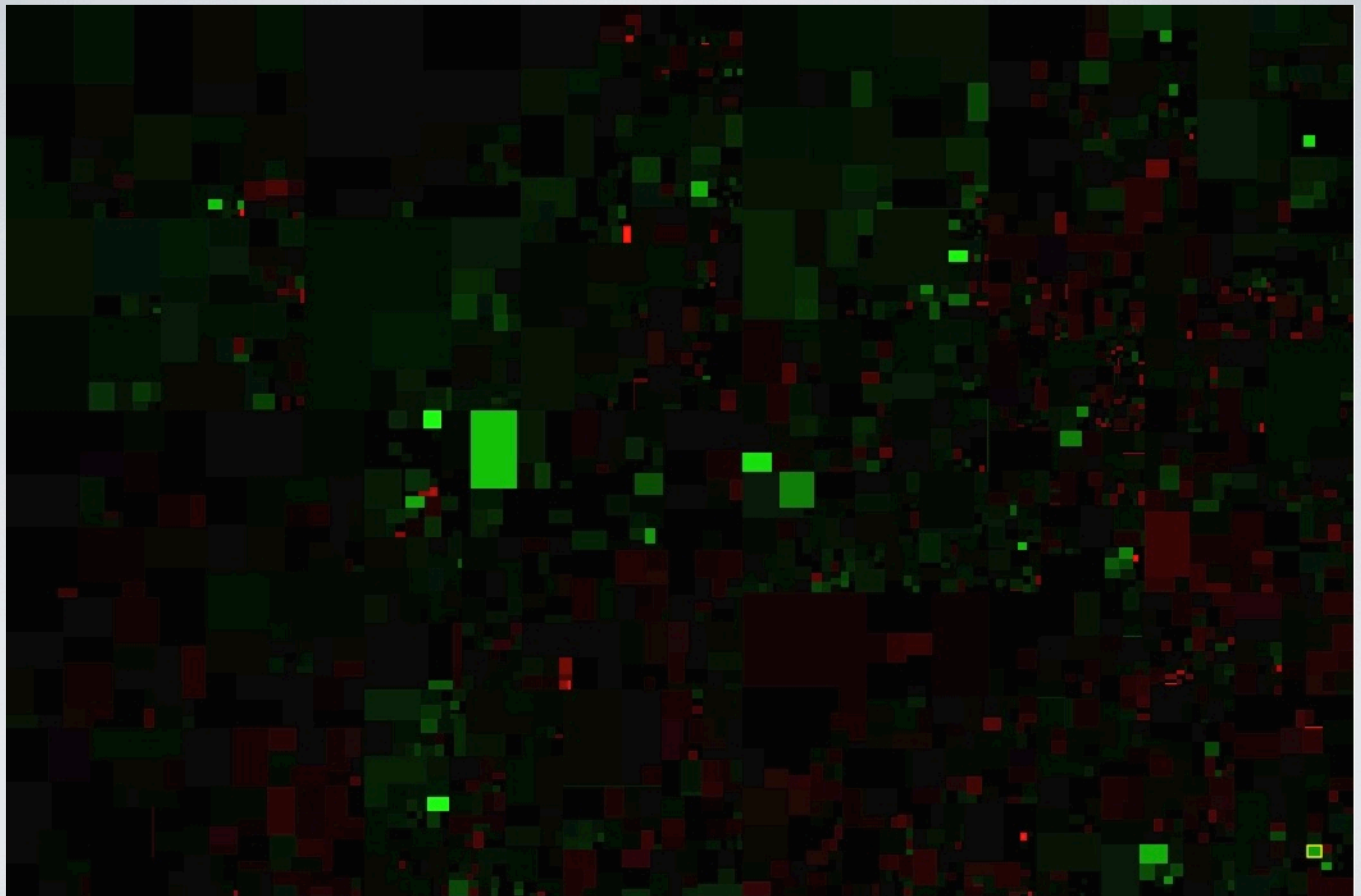
Physical
Sensibility

The
Supernatural

Language

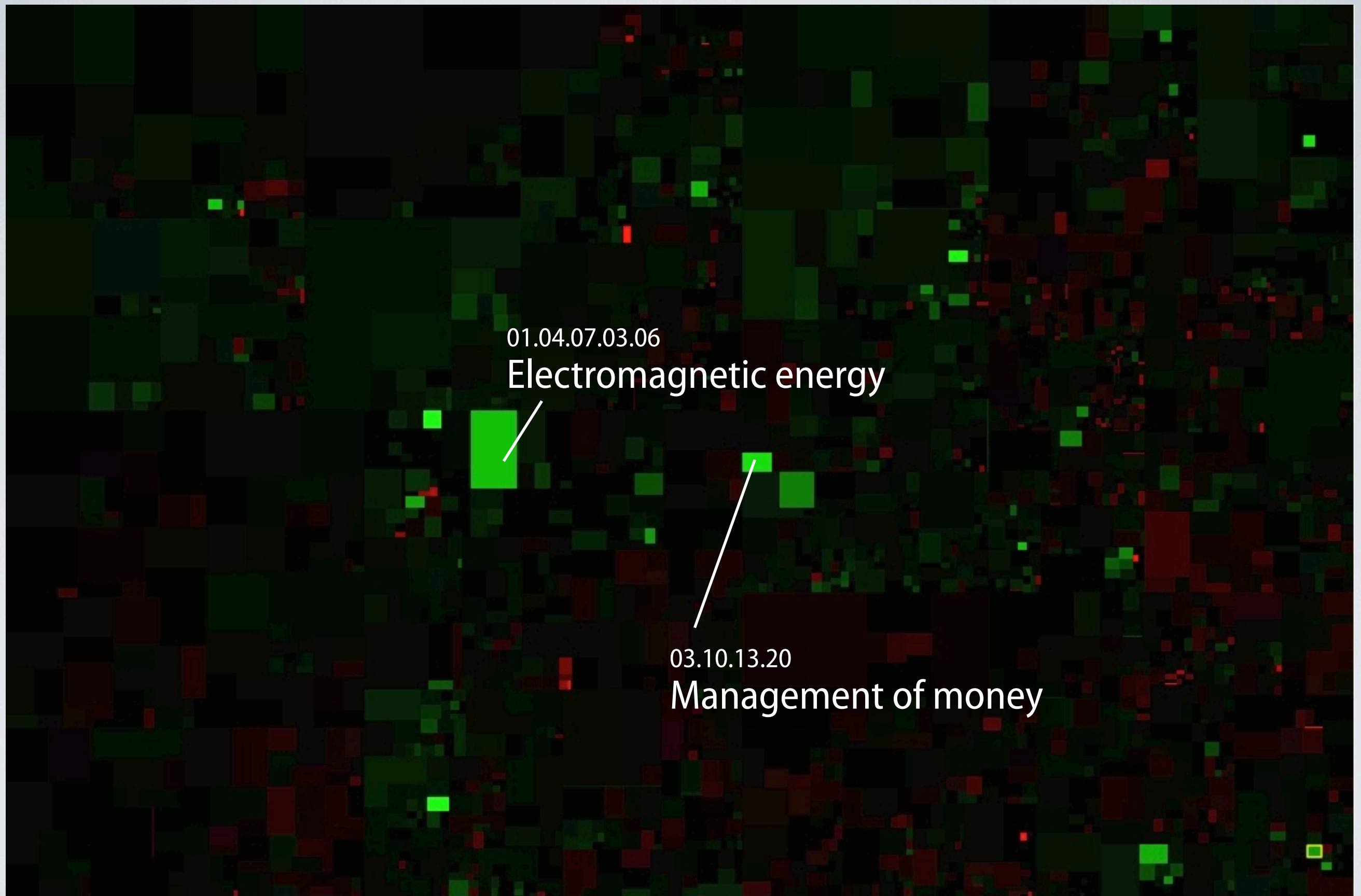
Aesthetics and
Philosophy





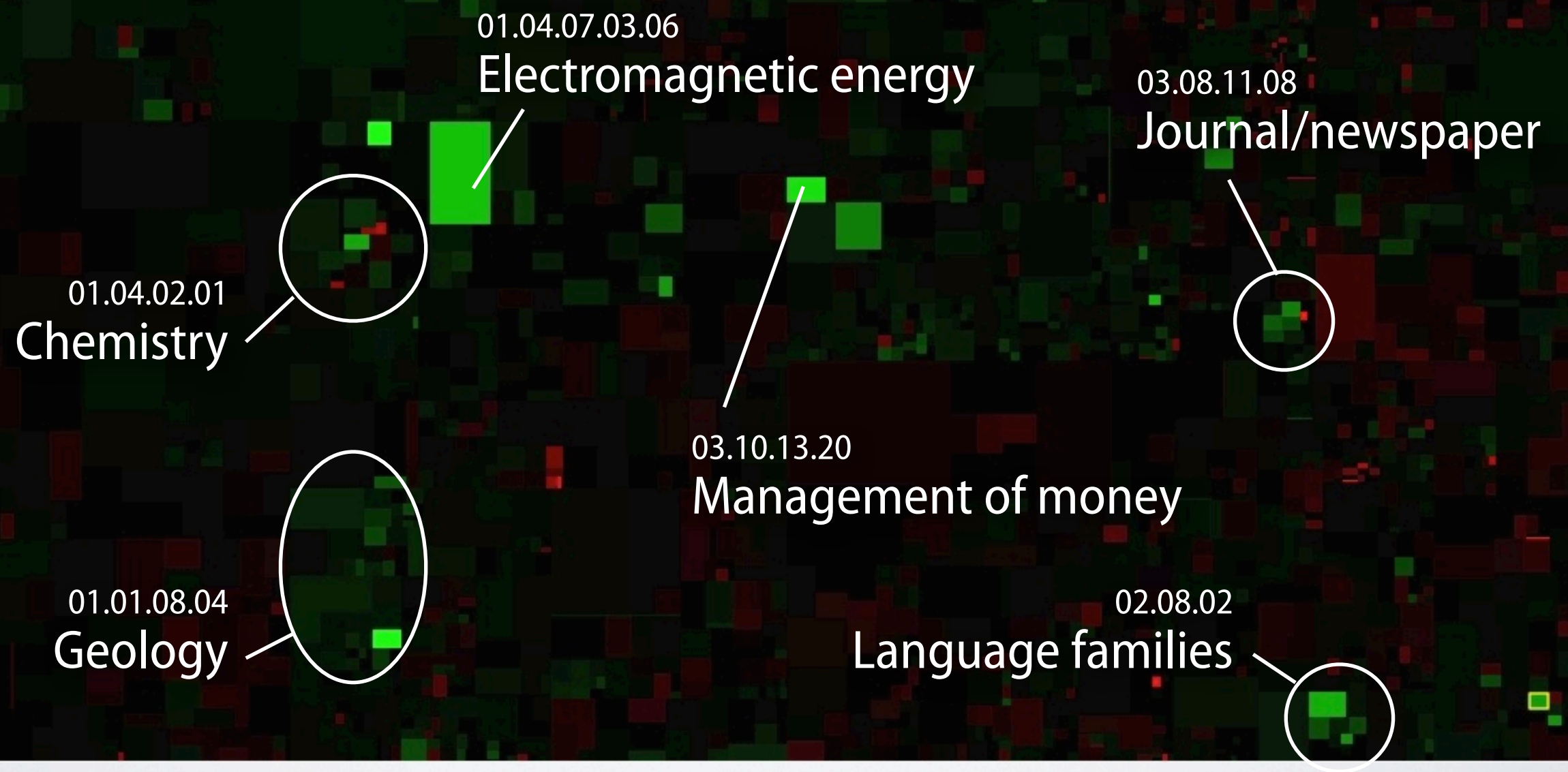
Category Growth, 1700-1800

Positive growth in green
Negative growth in red



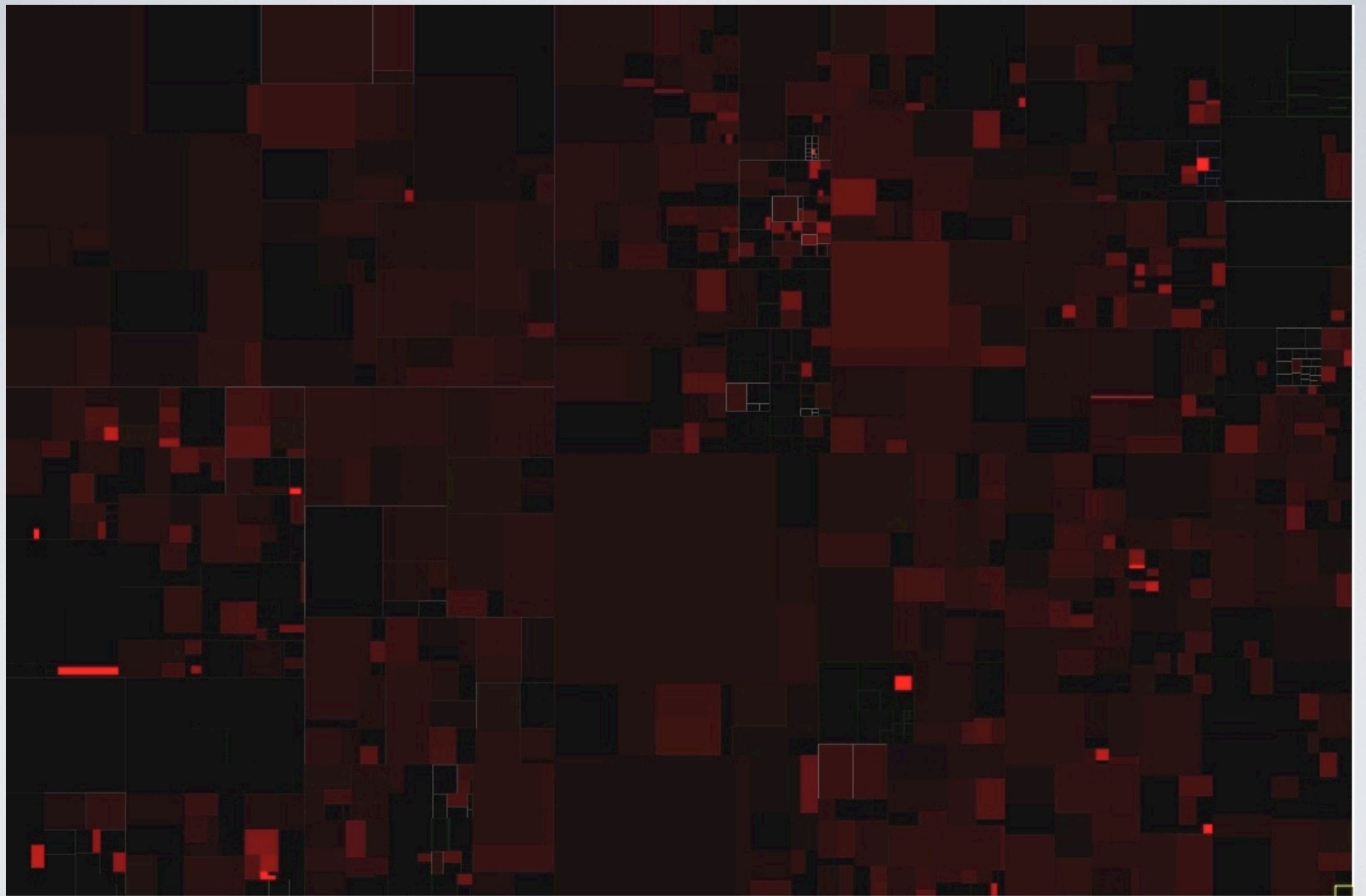
Category Growth, 1700-1800

Positive growth in green
Negative growth in red

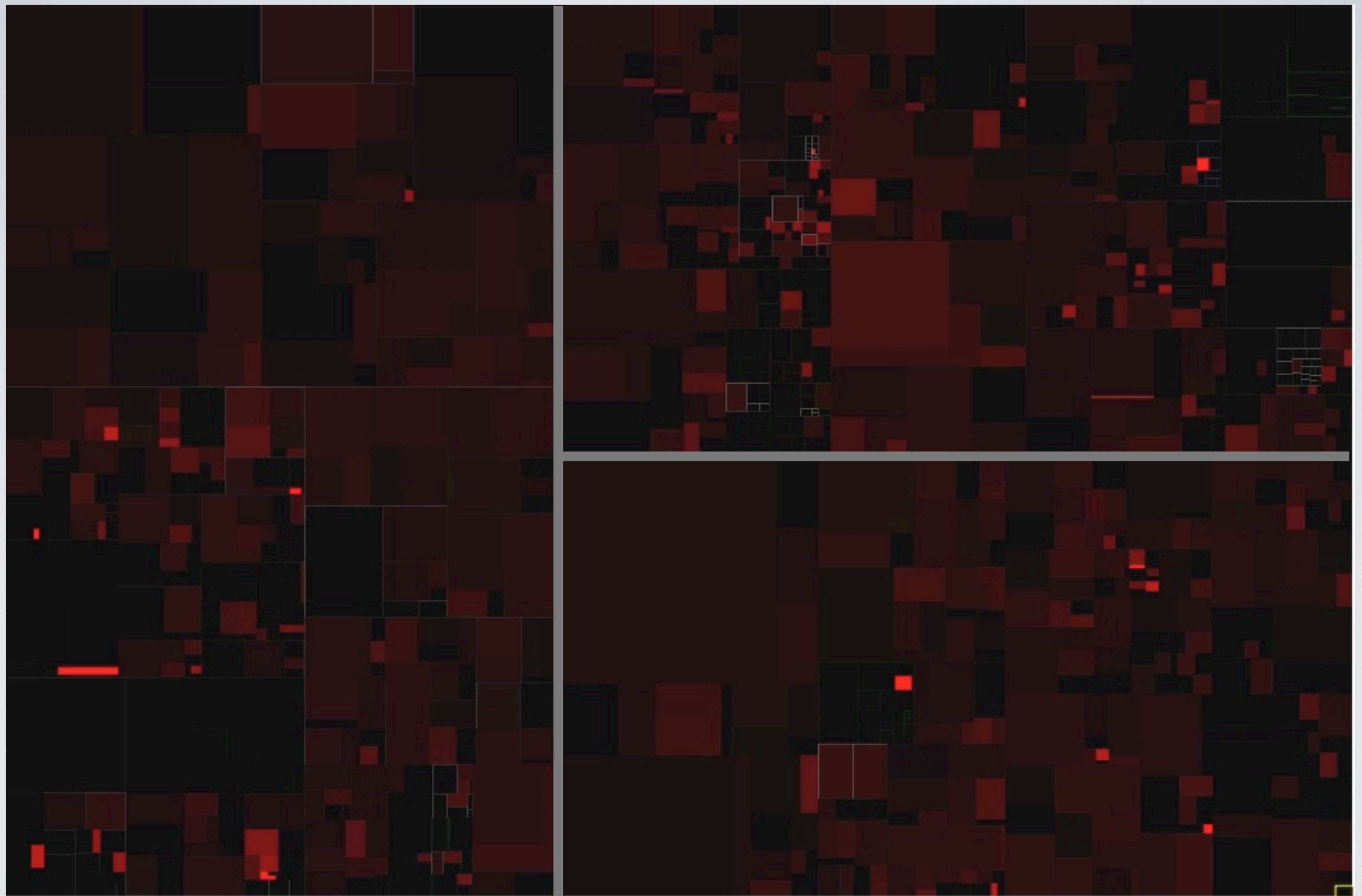


Category Growth, 1700-1800

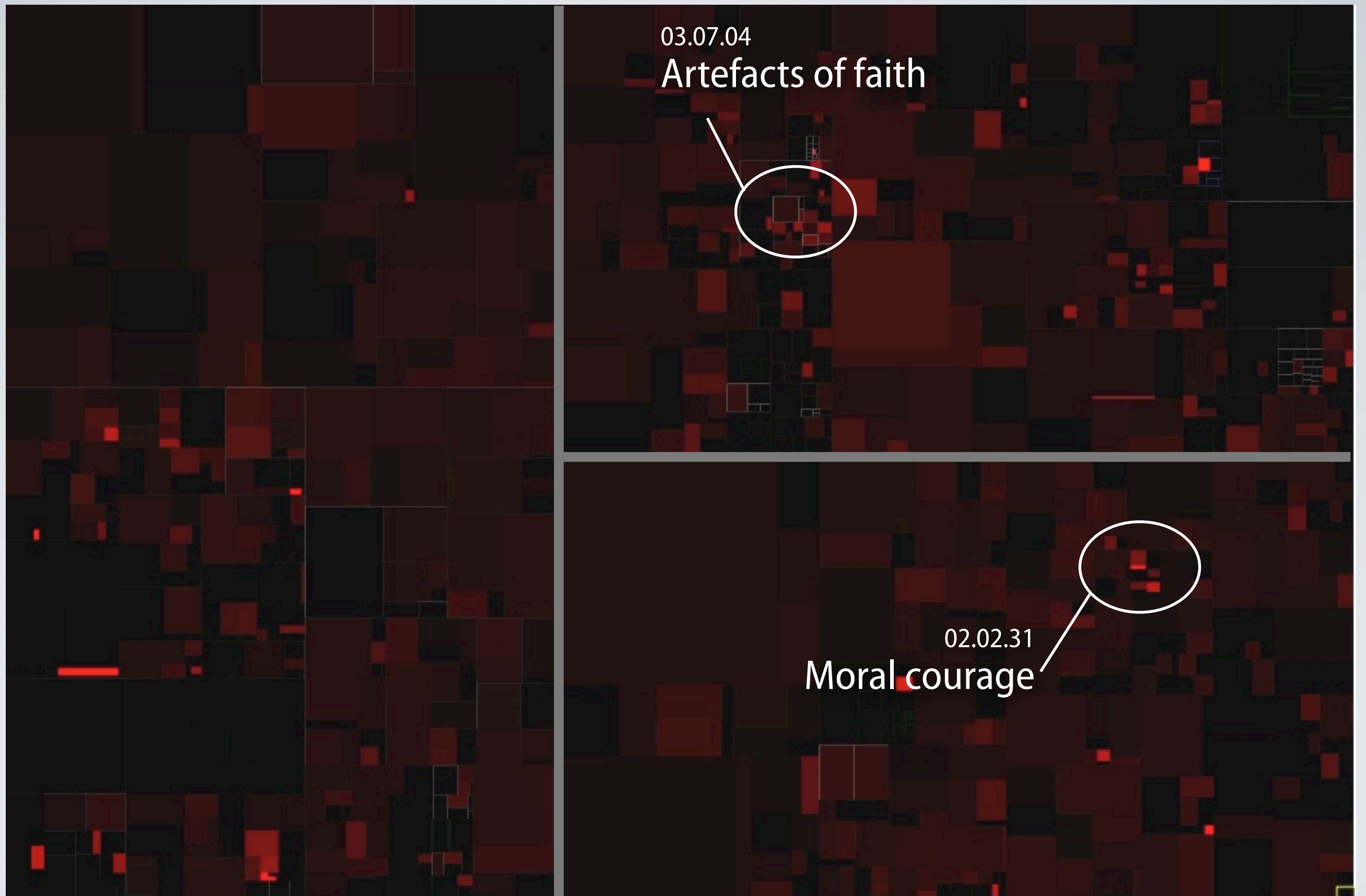
Positive growth in green
Negative growth in red



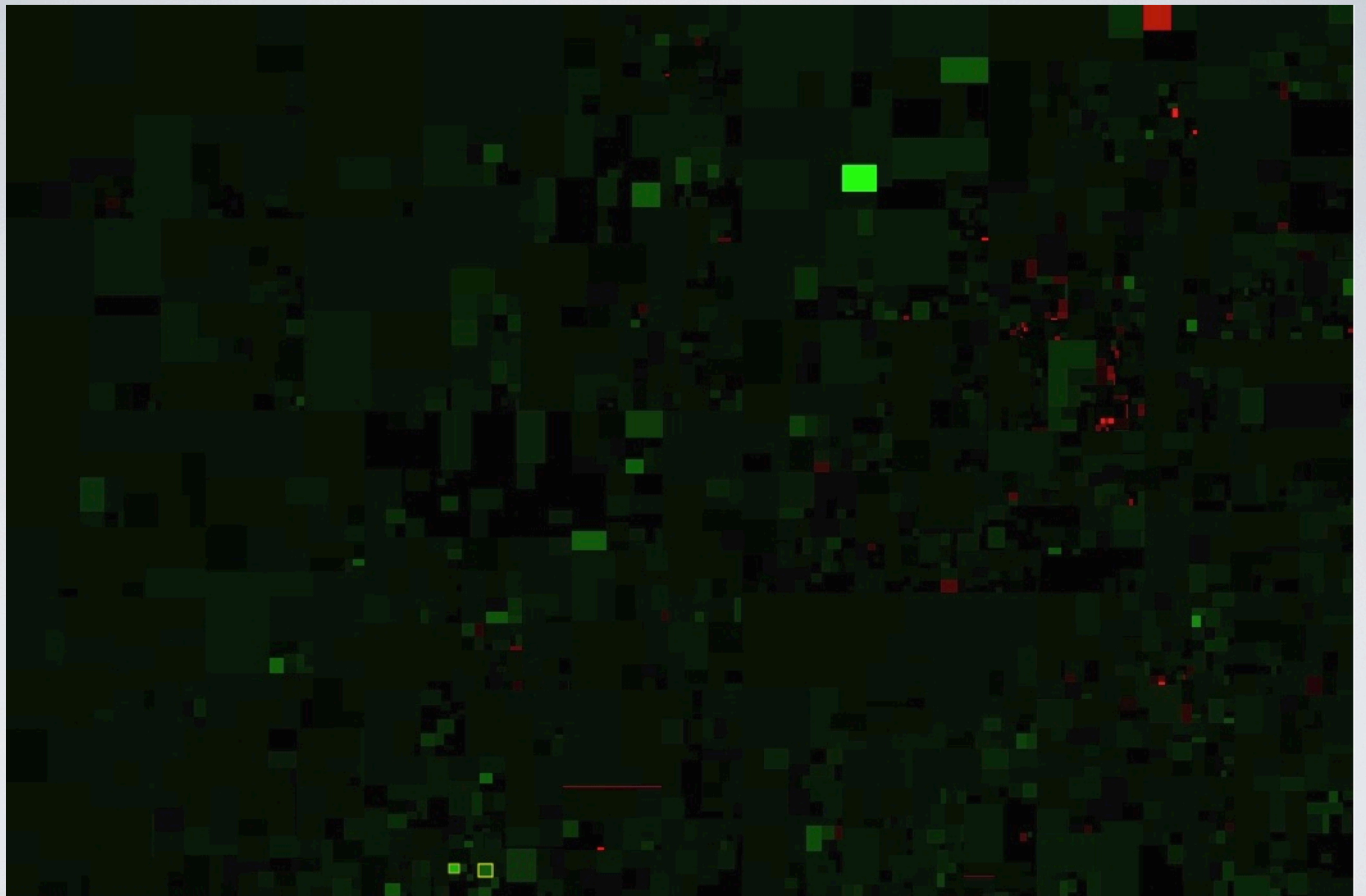
-ve Category Growth, 1700-1800



-ve Category Growth, 1700-1800



-ve Category Growth, 1700-1800

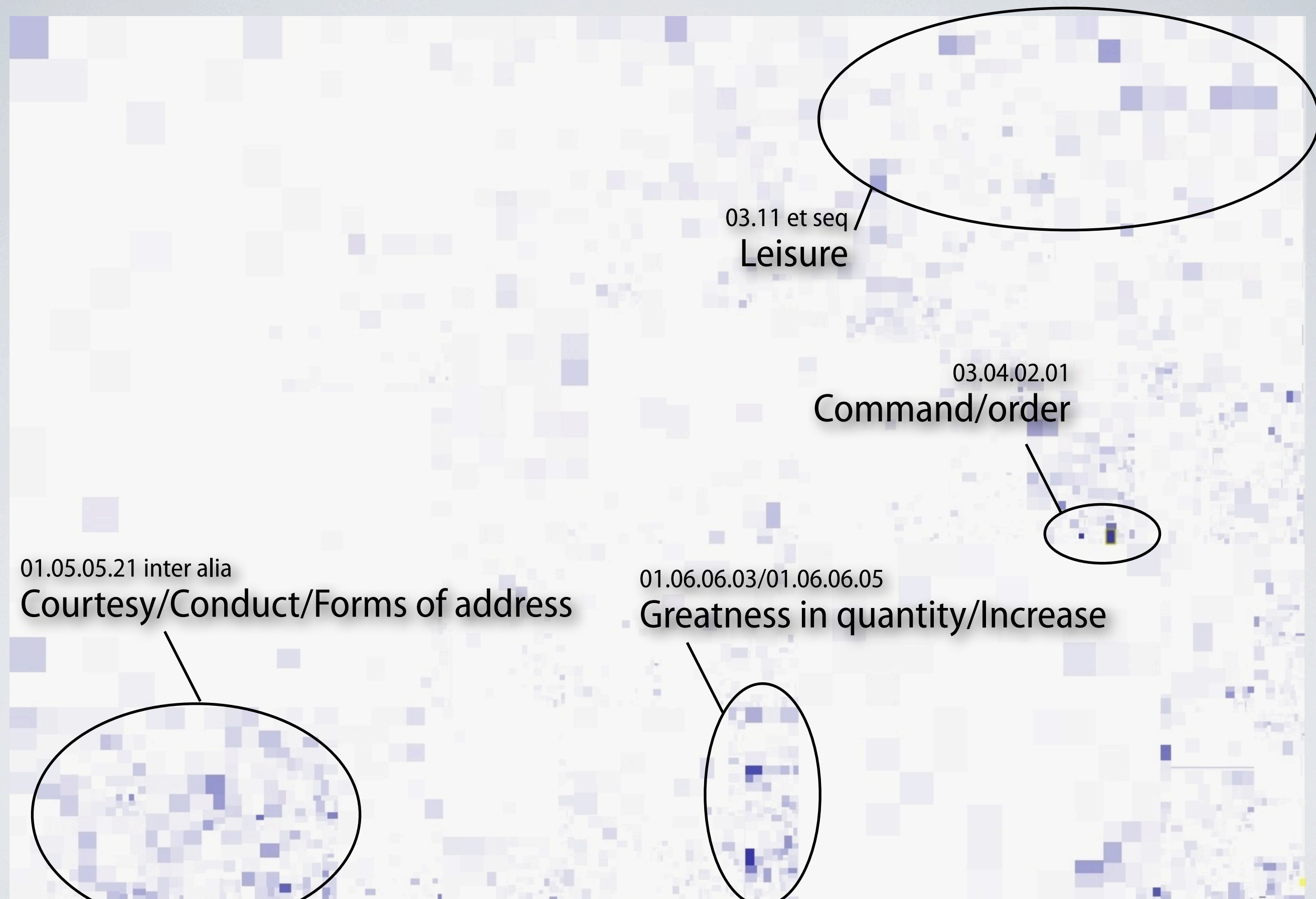


Category Growth, 1550-1625

Positive growth in green
Negative growth in red



LL Salience, Thomas Jefferson Corpus



03.11 et seq /
Leisure

03.04.02.01
Command/order

01.05.05.21 inter alia
Courtesy/Conduct/Forms of address

01.06.06.03/01.06.06.05
Greatness in quantity/Increase

LL Salience, Thomas Jefferson Corpus

Thank you!

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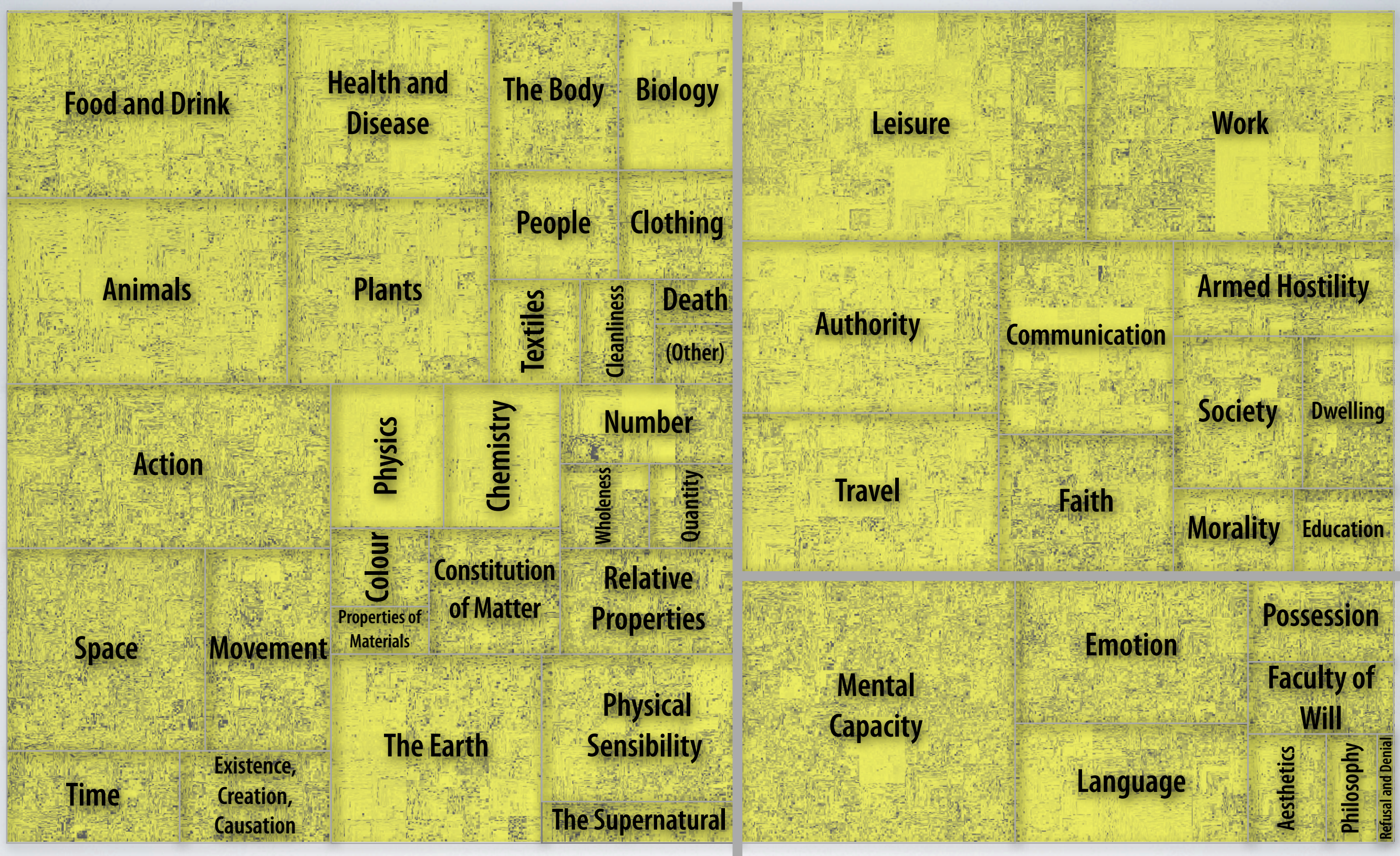
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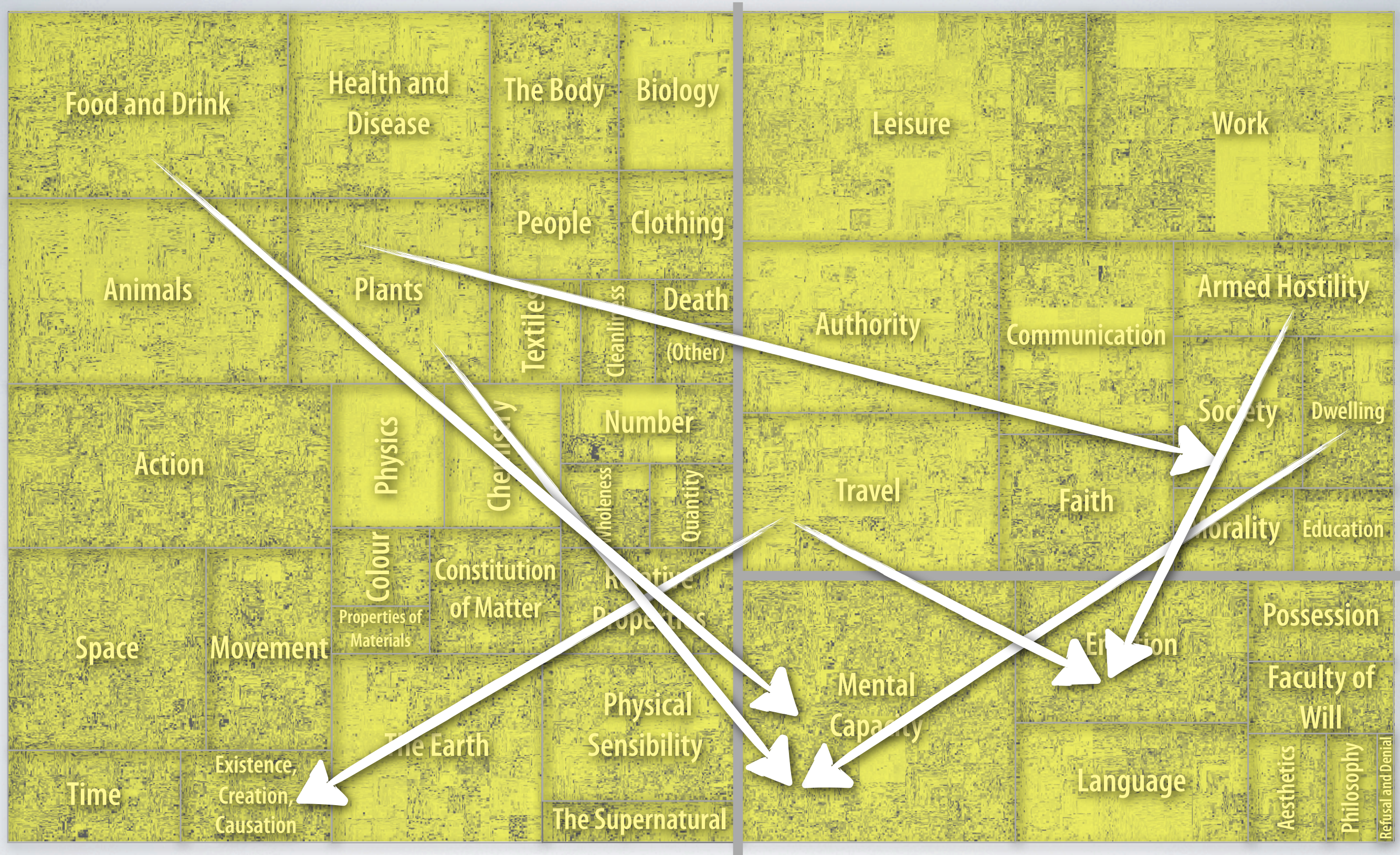
Cover image: Eolaí gan Fhéile. (2009) 'Sloping Fields'. Intonations Art Exhibition (Dublin).



Modern English

469,470 words;
those cited after 1860AD
or marked as 'current'

Mapping Metaphor with the *Historical Thesaurus*



Metaphorical 'Mappings'

I: The External World

01. The world

01.01. The earth

01.02. Life

01.03. Physical sensibility

01.03.01. Sleeping and waking

01.03.02. Sexual relations

01.03.03. Use of drugs, poison

01.03.04. Touch

01.03.05. Taste/flavour

01.03.06. Smell/odour

01.03.07. Sight

01.03.08. Hearing/noise

01.04. Matter

01.05. Existence in time and space

01.06. Relative properties

01.07. The supernatural

Sound Sight Taste Smell Touch

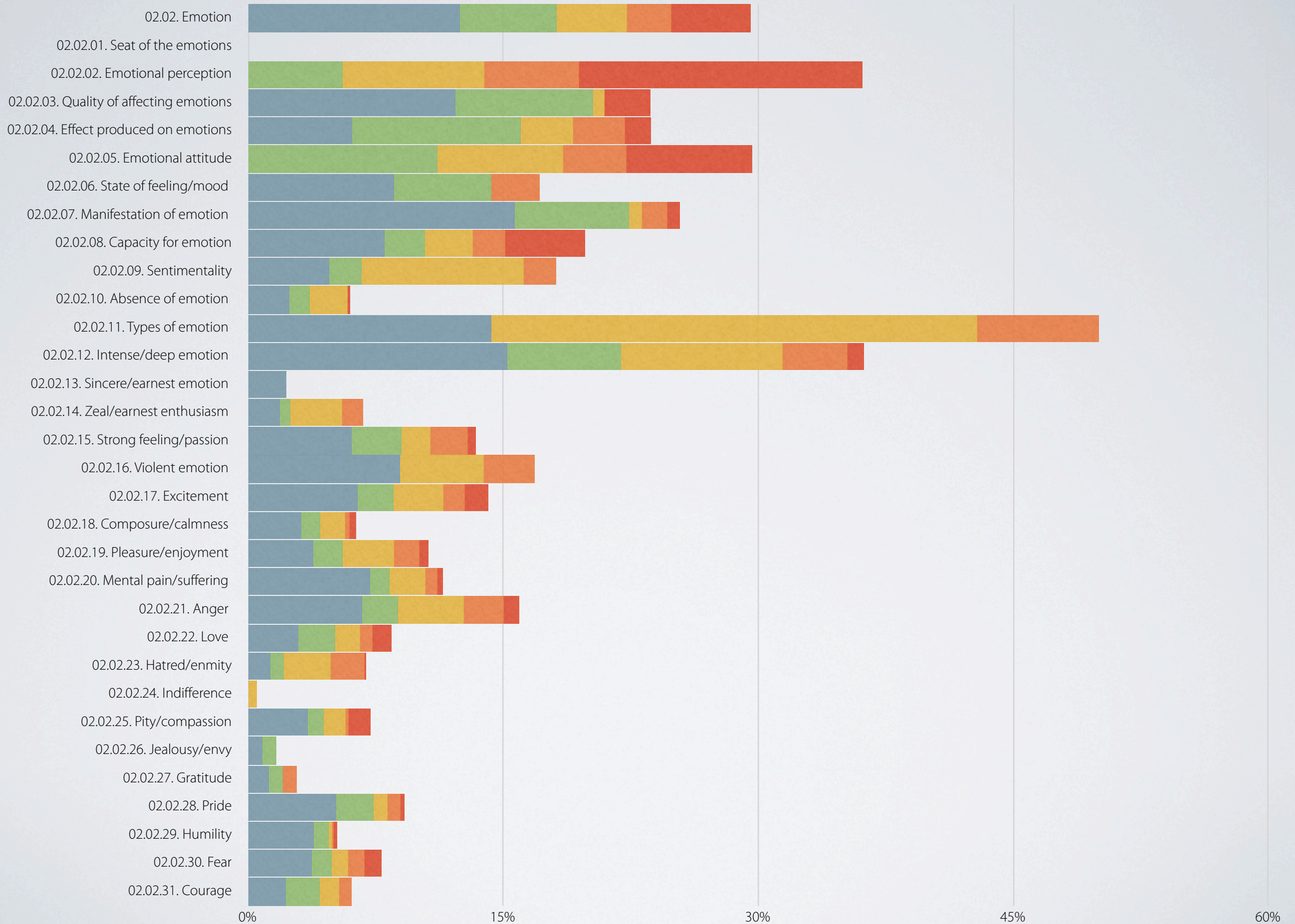
I: Physical

II: Mental

III: Social



Sound Sight Taste Smell Touch



Taste

Sentimentality	9.5%
-----------------------	------

Intense/deep emotion	9.5%
-----------------------------	------

Emotional perception	8.3%
-----------------------------	------

Emotional attitude	7.4%
---------------------------	------

Violent emotion	5.0%
------------------------	------

Emotion	4.1%
----------------	------

Anger	3.9%
--------------	------

Zeal/earnest enthusiasm	3.1%
--------------------------------	------

Touch

Emotional perception	16.7%
-----------------------------	-------

Emotional attitude	7.4%
---------------------------	------

Capacity for emotion	4.7%
-----------------------------	------

Emotion	4.7%
----------------	------

Quality of affecting emotions	2.7%
--------------------------------------	------

Mental capacity	1.9%
------------------------	------

Effect produced on emotions	1.5%
------------------------------------	------

Excitement	1.4%
-------------------	------

Mapping Metaphor: **N02 Wealth**

A13 Flow/flowing

affluent, flow, confluent

H27 Attention, judgement

solid, juicy, plenty, enrich

B28 Bodily shape/physique

fat, plum, puffy, full, opulent, fatten

B06 Health and disease

well, strong, solid

A07 Wild/uncultivated land

B73 Food

Mapping Metaphor: **N03 Poverty**

E03 Destruction

ruin, waste

D38 Matter, bad condition of

waste, decay

T05 Moral evil

naught, ruin, fall, mean

B28 Bodily shape/physique

*pinched, starved, withered, poorness,
feeble*

E45 Position, relative

bare, stark, skinned

H31 Contempt

*beggar, pinch, cheapo, bankrupt,
lowness, ruin, poorly*

I15 Humility

lowness, embarrassed, broken, poorly

E23 Harm/injury/detriment

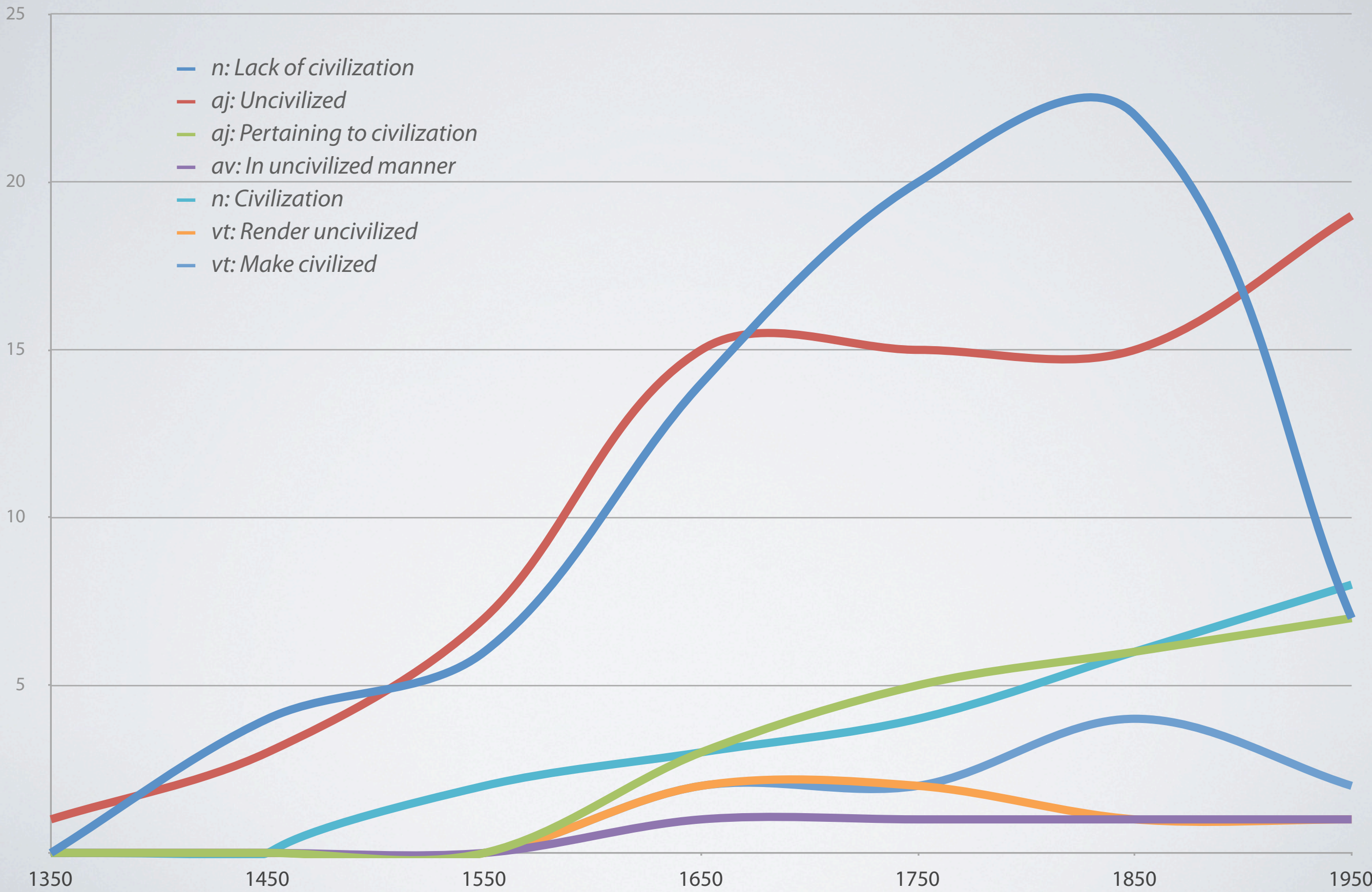
*mischief ('They bee nowe in grete
myschief and necessite.')*

I06 Mental pain/suffering

stony

'The Language and Sentiments of their Times'

03.01.03.02 Civilization



Wild

Crude

Barbar

Civility

The 'Other'

Uncivilized | Wild

wild a1300– *wildern* a1300

fremd c1374

Chaucer, *Troilus & Criseyde* (c1374): Al this world is
blynd In this matere, bothe fremed and tame.

bestial c1400–

Mandeville's *Voyages* (c1400): Thei weren but
bestyalle folk, and diden no thing but kepten Bestes.

Uncivilized | Wild

savage c1420/30–

Dryden, *The Conquest of Granada* (1672): I am as free
as Nature first made man, 'Ere the base Laws of
Servitude began, When wild in woods the noble
Savage ran.

warrigal 1855–(1890) *Australian*

Old Bush Songs (1855): I'm a warragle fellow that
long hath dwelt In the wild interior, nor hath felt,
Nor heard, nor seen the pleasures of town.

Uncivilized | Rough/Crude

rude 1483–

raw 1577–

Harrison, *England*, in Holinshead, *Chronicles* (1587): Men, being as then but raw and void of ciuilitie.

ruvid 1632

Lithgow, *The totall discourse of the rare adventures and painefull peregrinations of long nineteen yeares travayles* (1632): The ruvid Cittizens, being Turkes, Moores, lewes, ... and Nostranes.

Uncivilized | *Barbar*

barbaric 1490-1533; a1837

The sense-development in ancient times was (with the Greeks) 'foreign, non-Hellenic,' later 'outlandish, rude, brutal'; (with the Romans) 'not Latin nor Greek,' then 'pertaining to those outside the Roman empire'; hence 'uncivilized, uncultured,' and later 'non-Christian,' whence 'Saracen, heathen'; and generally 'savage, rude, savagely cruel, inhuman'. [J.A. H. Murray, Etymology for *barbarous*, *A New English Dictionary on Historical Principles*, Fa.3, 1887]

Uncivilized | *Barbar*

barbaric 1490-1533; a1837

Aikin, *General Biography* (1799): At length, he came forth in all the splendor of his imperial dignity to give them an amicable welcome, and the Spanish historians employ the loftiest terms in describing the barbaric grandeur of his appearance.

barbar 1535-a1726 ***barbarous*** 1538-

barbarious 1570-1762 ***barbarian*** 1591-

semi-barbarous 1798- ***semi-barbaric*** 1864

Uncivilized | Civilness

incivil 1586

uncivilized 1607– *incivilized* 1647

Cowley, *Welcome (The Mistress)* (1647):

Either by savages possest,

Or wild and uninhabited?

What joy couldst take, or what repose,
In countries so unciviliz'd as those?

Uncivilized | Civilness

inhumane a1680

Butler, *Remains* (a1680): There's nothing so absurd, or vain, Or barbarous, or inhumane, But if it lay the least Pretence To Piety and Godliness... Does sacred instantly commence.

irreclaimed 1814

pre-civilized 1953–

Uncivilized | The Other

Scythical 1559-1602

Herring, *Anatomyes of the true physition and counterfeit mounte-banke* (1602): Such Schythicall... torturing and massacring of Men.

negerous 1609

Uncivilized | The Other

mountainous 1613-1851

Mainwaring and Oldmixton, in Ellis, *Swift vs.*

Mainwaring (1711): England... bounded on the North by a poor mountainous People call'd Scots.

tramontane 1739-1832

Uncivilized | The Other

jungle 1908–

jungli 1920–

Chambers' Journal (Jan 1927): Already he ceases to be jungli*.

Note: Wild and boorish, a clodhopper or uneducated peasant.

Sydney Smith, *Letter to Francis Jeffrey* (Mar 1814):

When shall I see Scotland again? Never shall I forget the happy days I passed there amidst odious smells, barbarous sounds, bad suppers, excellent hearts, and most enlightened and cultivated understandings.