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Data Driven Learning and the Arab learner : A particularly good match



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UQÀM

Abstract

Data-Driven Learning and the Arab Learner – A Particularly Good Match

ESL and ESP In the Arabian Gulf context have traditionally followed a top-down model, typified by dictionary definitions, grammar rules, and teacher-centered classrooms. My work in this setting, however, has shown that a different model is more likely to be successful: a bottom-up model typified by exemplar-based learning, usage-based pattern induction, and task-based problem solving. Since my early efforts with this approach in the 1990s at King Saud and then Sultan Qaboos universities, the approach has gone on to take shape internationally under the heading 'data driven learning,' and has been validated empirically in a wide-ranging meta-analysis (Boulton & Cobb, 2017). I will review the high points in this progression and argue that data-driven learning is of particular relevance to an Arabic speaking context because of (1) some features in the way written Arabic is processed, which are effectively training for data-driven learning; (2) the likelihood that in many Gulf settings, general ESL is likely to be a prelude to the study of ESP (English within a specific academic or professional domain), for which data driven learning is particularly well suited; and (3) the motivation within this learnership of a systematic basis in information technology.

What is Data Driven Learning (DDL)?

Language Learning involving the consultation of a *corpus*

Whether ~

1. Of a language as a whole

- Ex Brown Corpus (1960s)
 - 1 million words
 - 500 textes on 15 topics of 2000 words
- Ex BNC (1980s)
 - 100 million words
 - >4000 texts on 100 topics of 25,000 words
- Ex COCA, Subtlex, TenTen ...

2. Or the language of a course/curriculum

- Texts + Media + Tests + Talk

Corpus – read and interpreted how ?

001. 0 décembre, 134 personnes 53 hommes, 55 FEMMES 26 enfants de un à treize ans ét
002. de ces deux affaires, une homme et une FEMME : Alfred Sirven, ancien directeur
003. ns cent quatre-vingt-dix hommes et deux FEMME
004. chorégraphie. La pièce met en scène une FEMME
005. pide peur de l'homme, des hommes et des FEMME
006. août 1942. Déjà, de nombreux hommes et FEMME
007. amenant vers l'emploi des hommes et des FEMME
008. 'hématocrite chez 46 athlètes hommes et FEMME
009. . Les hommes d'aujourd'hui traitent les FEMME
010. de vingt-cinq ans et aux hommes et aux FEMME
011. long desquelles se succèdent hommes et FEMME
012. ne se reproduisent, tous les hommes et FEMME
013. hommes d'affaires tout-puissants... "La FEMME
014. ravallait comme un homme, ou comme une FEMME
015. onnage principal, l'homme trompé par sa FEMME
016. ports ambigus d'un vieil homme et d'une FEMME
017. janvier, traite ainsi des hommes et des FEMME
018. nt ce partage de la vie entre hommes et FEMME
019. emportent maintenant des hommes et des FEMME
020. e malade et doit subir la cruauté de sa FEMME Enlevé par ses hommes, il finit p
021. rieusement atteinte ? "J'espère que les FEMMES et aussi les hommes de ce pays e
022. vant ces ouvrages historiques signés de FEMMES et d'hommes publics, dont on imag
023. du Soudan ROUX OLIVIER DES hommes, des FEMMES et des enfants meurent de faim au
024. le monde a toujours fermé les yeux. Des FEMMES et des hommes n'ont cessé de tire
025. es", "filières criminelles") contre des FEMMES et des hommes prêts à se laisser

'Teachables' in a corpus output

Typical collocations of words

('hommes' before 'femmes')

Forms of words typically employed

('femmes' way more

frequent than 'femme')

+ much more

The learning principle of DDL

Learners generalize from language data

- Rather than learn rules and apply them to data
- Using Bottom-Up not Top-Down processing

.. aided by computation

- Data assembled by computer software
- Patterns exposed by computer software
 - To different degrees for different linguistic phenomena

The place of DDL within SLA

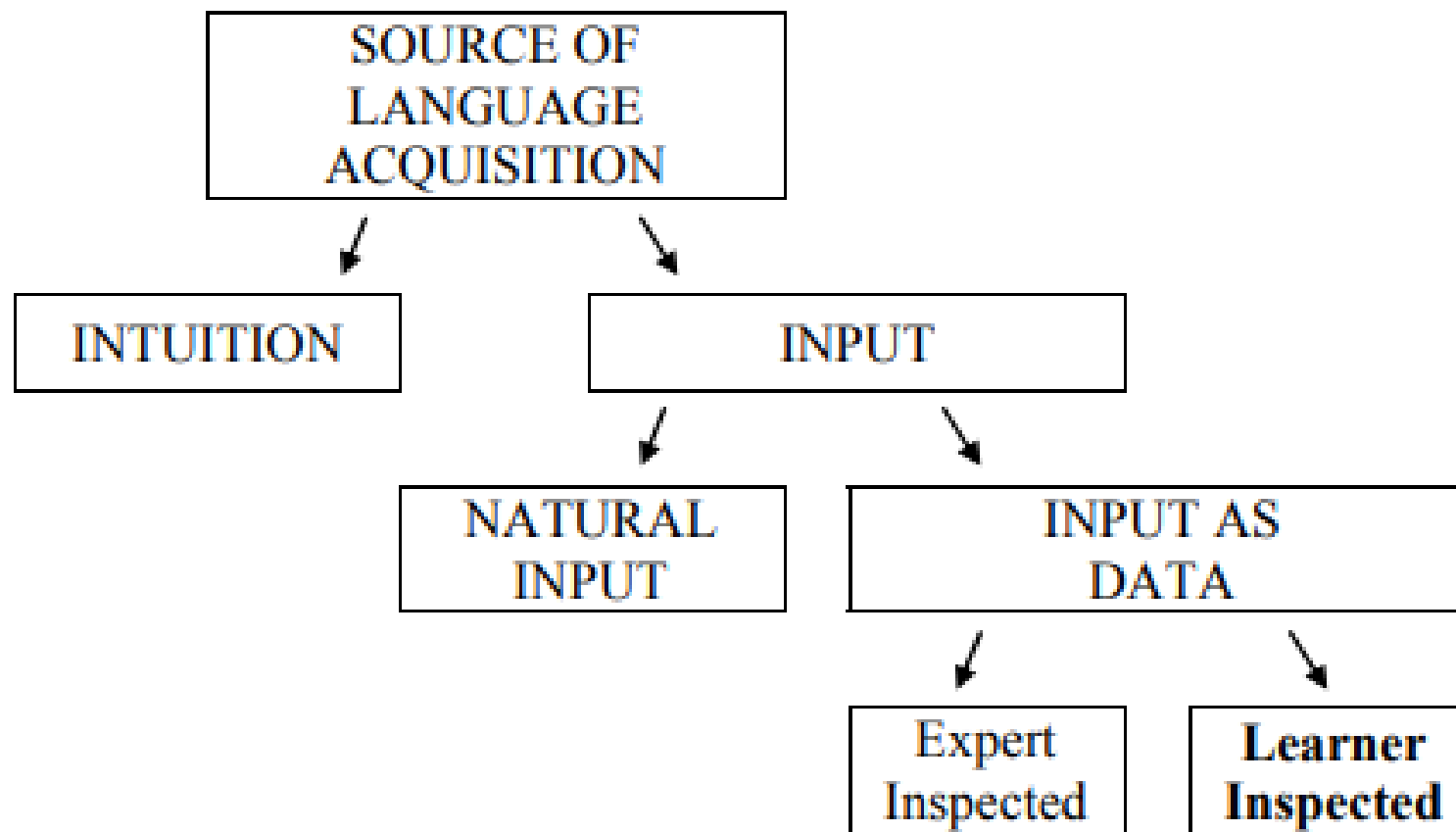


Figure 1. The place of data-driven language learning in the broader scheme

Example of a DDL learning activity

Constructing word meanings from raw-ish vs from pre-processed data

<=Back Save on Lextutor as L'ENA[4].html

HYPertext FILE: in_progress_42
Click twice for concordance (50 lines) & dictionary, with AltKey (Option) to grab word

L'École normale supérieure tentée par la philosophie des affaires -
Le Monde Diplomatique, d'août 2011, par Mathias Roux

Des serviteurs de l'Etat poussés vers le privé

Créée après guerre, l'ENA devait former des grands commis de l'Etat ; bicentenaire, l'École normale supérieure avait pour mission de produire un corps enseignant d'élite baigné de valeurs humanistes. Devenues des instruments de reproduction de la classe dirigeante française, ces deux institutions **prestigieuses** tentent de s'imposer comme un sas vers le monde des affaires.

Concordance for *equals* **PRESTIGIEUSES** sorted 1 wds left of key Dictionnaire: Fren_Eng Get

Change >> **Key** equals prestigieuses **+assoc** on left sorted 1 wd/s left

7 hits (normalized to 6 per million for comparison) Click keyword for more context

001. en passant des accords avec ces institutions **PRESTIGIEUSES**, disait : "Regardez, la Bibliot
002. t. Destiné à faire de l'ombre aux limousines **PRESTIGIEUSES**, ce modèle vendu près de 300 00
003. est devenu le lieu d'accueil d'une des plus **PRESTIGIEUSES** séries de musique de chambre d'
004. n en trouve désormais partout. Même les plus **PRESTIGIEUSES** institutions du royaume comme l
005. usieurs centaines de médecins issus des plus **PRESTIGIEUSES** universités inoculèrent à des c
006. évisionniste qui compte plusieurs signatures **PRESTIGIEUSES**. Mais aussi son éviction de SPA
007. niste, pour réunir une palette de signatures **PRESTIGIEUSES** : Nouvel, Portzamparc, Vasconi

←vs.→

Swisscom 10:39 AM 67%

French - English

prestigieux

French - English French - Verbs

prestigieux [LINKS]

ECOUTER: FRANCE [preʃtizjø, jøz]

Inflections of 'prestigieux' (adj): f: prestigieuse, mpl: prestigieux, fpl: prestigieuses

WordReference Collins WR Reverse (4)

WordReference English-French Dictionary © 2019:

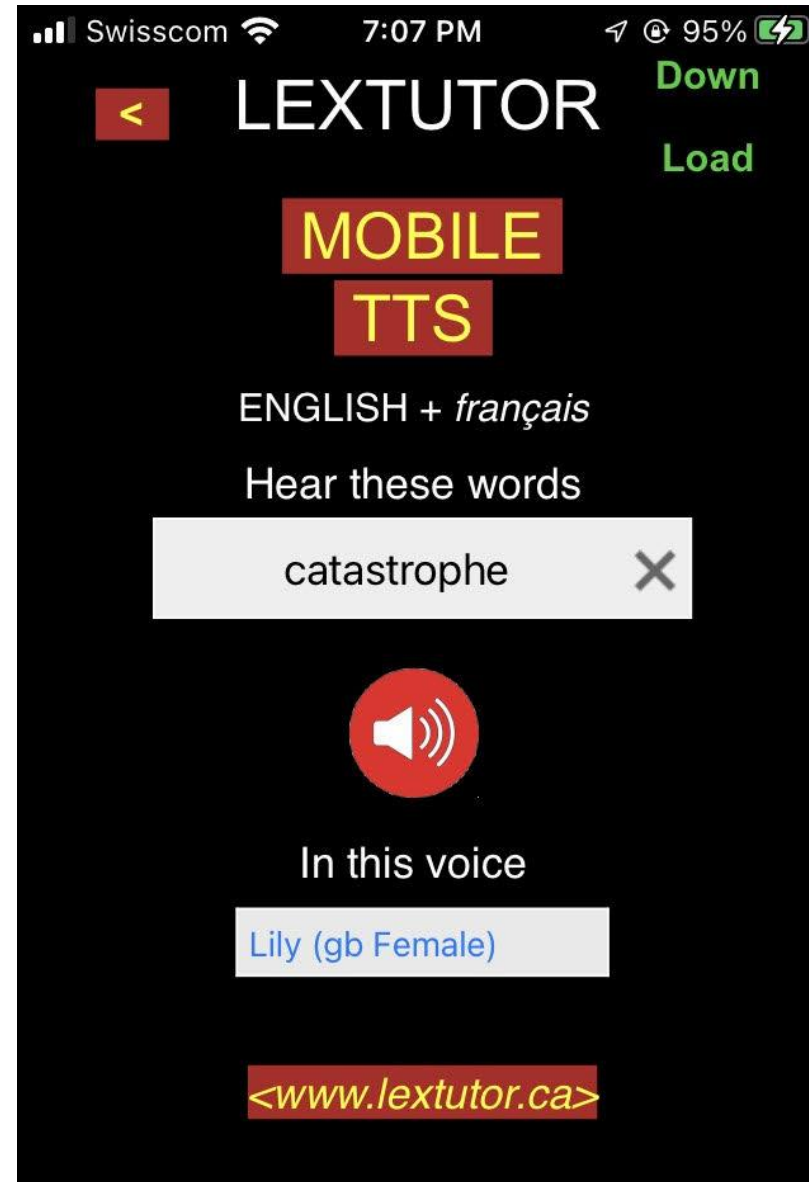
Principales traductions

Français	Anglais
prestigie ux adj (qui a de l'éclat)	prestigious <i>adj</i>
	Cette maison de couture a une réputation prestigieuse. This fashion designer has a prestigious reputation.

Un oubli important ? Signalez une erreur ou suggérez

Example of software making sense of language data

- Obvious example is TTS (text-to-speech)
- Algorithms pull the ['faɪt] and ['naɪt] out of *fight* and *night*
 - Makes the link between speech and text



Example of software making sense of language data (2)

- Concordance lines sorted by VP (= frequency; more comprehensible first)

Home > Concordancers > English Input > Output [\(« Back keeps original settings\)](#) [Copiable extract-link to this data >](#)

Concordance for *family* **symptom** in house

Extract checked items: All | any10 | 20 | 30 | 50

MODIFY:

017. It's a different situation, a different SYMPTOM, a different diagnosis. Different [1.00]
018. him needing glasses. Apparently, it's a SYMPTOM. It means the condition predates [1.00]
019. e cirrhosis. Liver cysts have identical SYMPTOMS, with one addition, fever. And [4.12]
020. ia, depression, tachycardia. Withdrawal SYMPTOMS. Not applicable. The only side [4.17]
021. egative. Several meds could cause those SYMPTOMS. Tricyclic antidepressants, rit [4.20]
022. the delirium. But not the original lung SYMPTOMS. Legionnaire's could and cause [4.25]
023. aud's. Lupus is consistent with Emily's SYMPTOMS. Her lymph nodes aren't enlarge [4.25]
024. really change anything. Hemoptysis is a SYMPTOM of Behcet's. Except our treatmen [4.29]
025. . And less significantly, we have a new SYMPTOM. Anion gap acidosis. Who's chubb [4.30]
026. atient's religious extremism could be a SYMPTOM? A neuro disorder could explain [4.43]
027. pain, neurogenic bladder, psychosis. A SYMPTOM which we learned about when he [4.44]
028. an nature. Gonorrhoea explains all their SYMPTOMS. Fitzhugh-Curtis syndrome for h [4.50]
029. e. Hypervigilance, sudden irritability. SYMPTOMATIC of lunch with Cuddy? The pat [4.67]
030. e. It's obviously a neurological SYMPTOM. Salivary gland... advanced to the [4.75]

Larger context for SYMPTOM
in Corpus house/season_6.txt [Get more](#)

VP
= 1

Last few months, that hasn't been so easy. A guy got me the pills, and they control the stress. Look, don't say anything to Eddie, all right? Last thing I need is the guys thinking that I've gone soft. When was your last pill before we originally admitted you? Um The night before. Then we stuck you in here and you went into beta-blocker withdrawal. That's what caused the hypertension. **When he got out of here, he took another pill, and the hypertension went away, which means it was never a SYMPTOM.** We take that off the table, we've got vertigo, fever And stress. He's been in this game for a while, either he grew a conscience over the last few months, or he's producing excess adrenaline. Pheochromocytoma. What? That's Greek for "you'll be back doing bad things to good people in no time. " MRI his adrenal glands. You're okay with that, right? You're not gonna put a pillow over his face? Oh, great, the

x

VP

5

Larger context for SYMPTOMS
in Corpus house/season_8.txt [Get more](#)

Second half of my plan might need work. V-fib. Two rounds at 360 without establishing a rhythm. Wait! Dr Foreman! Clear. He's back. I sure hope this Alzheimer's drug trial is worth a lot to this hospital, 'cause we're wasting a crapload of time and man power just to let this guy watch his mind shrivel and keep his wife miserable. **Heart attack while he was on interferon rules out encephalitis, but I still think I'm right about the neuro SYMPTOMS.** It's probably aseptic meningitis. We would have seen meningeal signs. Given his abnormal mental status, not necessarily. Dr Foreman! Would you please reach under your chair'? It's just wet gum under here. Where's the card? What card? I'm happy to leave if you have a better theory than aseptic meningitis. Toxins. If this guy went on a walkabout, chances are he's done it before. Wife keeps the doors in the

Why *should* this learning approach 'work' ?



The case in principle (1)

Data-driven learning (DDL): using the corpus for teaching/learning/using a foreign language

- Greater effort
better retention/deeper learning
- Strategy training
learn to observe patterns in environment (e.g. word frequency)
- Incidental learning
"pick up" collocations while assembling words
- Appeal to research-oriented clientele
as opposed to ESL textbooks; PhD students, etc.

Analysis
010011
1 Traitement
010011
de010



The case in principle (2)

Analysis
0100110001001000100011000110
010011 Traitement
010011000110001100010
010011 Informatique
0101001000100011001000110010
de01011a0100011101

+4 related to Arabic speaking learner

- Lends itself to group problem solving tasks
- Does not encourage a surface memory approach
 - Rather encourages depth & transfer
- Can work at the processing level & target L1 → L2 processing differences
- Allows practice of test formats (can re-randomize corpus data for tests)

Should work but does it ?

A 2017 meta-analysis compares DDL to a range of other

ways of learning

Vocabulary
Multi-Word Units
Syntax
Grammar
Culture

EMPIRICAL STUDY

Corpus Use in Language Learning: A Meta-Analysis

Alex Boulton and Tom Cobb

Université de Lorraine and Université du Québec à Montréal

TOP DOWNLOADED ARTICLE 2017-2018

CONGRATULATIONS TO
Thomas Cobb
whose paper has been recognized as
a top 20 most read paper in
Language Learning

WILEY

This study applied systematic meta-analytic procedures to summarize findings from experimental and quasi-experimental investigations into the effectiveness of using the tools and techniques of corpus linguistics for second language learning or use, here referred to as data-driven learning (DDL). Analysis of 64 separate studies representing 88 unique samples reporting sufficient data indicated that DDL approaches result in large overall effects for both control/experimental group comparisons ($d = 0.95$) and for pre/posttest designs ($d = 1.50$). Further investigation of moderator variables revealed that small effect sizes were generally tied to small sample sizes. Research has barely begun in some key areas, and durability/transfer of learning through delayed posttesting remains an area in need of further investigation. Although DDL research demonstrably improved over the period investigated, further changes in practice and reporting are recommended.

With DDL 'winning' by an av. **effect size of 1.5** (by 1.5 std. deviations)

Ex. Control Group M= **65**, SD=15
DDL Group M= **87**, SD=15

None of the studies in the meta-analysis took place in the Gulf area

But they could have, because DDL and the Arabic speaking learner are a good fit

I will make my case with reference to a learning approach that *was/is not* a good fit

Namely the approach used in many Gulf language centers in their pre-academic ESL/ESP programs in the 1980s

- As set up by people like me
- 1980s up to ... ?

Pre-academic EFL/ESL/ESP in the Gulf c. 1985

* What do Ss **actually need** preparing for content study in English?

(In order)

- Strong Reading - textbooks and articles => esp. vocabulary
- Strong Listening - lectures in English => esp. vocabulary, => esp recognition in speech of words known in writing
- Basic Speaking - for asking questions in class => esp. pronunciation
- Basic writing - to be graded more for content than correctness

* What did they **get** ? (in order)

- Grammar focused exercises loaded with unknown vocabulary component
- Grammar focused writing practice focused on error correction
- Reading practice with uncontrolled vocab
 - Little distinction between kinds of reading
- Listening practice with uncontrolled vocab and no instruction beyond practice
- Random speaking practice with minimal pronunciation focus
 - Ex, little even on p/b and word stress

(Any guesses why grammar was the major emphasis?)

ESL in the Gulf c. 1985

Based on no particular **learner** analysis

What and how were learners taught in high school? *Unknown*

What are their strengths and weaknesses? *Unknown*

What are their motivations to learn English? *Unknown*

Thus assumptions were simply imported from experience with US/European learners who were normally ~

Acquiring a cognate-rich language

Often for no particular purpose

Holidays

Use heritage language to raise GPA

Relatively low-stakes

ESL in the Gulf c. 1985

Based on no particular **culture** analysis

- Culture normally provides the ‘prior knowledge’ or ‘framing schemata’ on which learning can proceed
- The culture assumed in US/UK/European ESL course books often amounts to shopping trips, parties, dating, etc –
 - unfamiliar at best, distracting at worst
- Pedagogical culture often includes task formats that are unfamiliar to the Ss
 - And could be sprung on them in a high-stakes tests
 - ‘Unscramble the sequence of sentences summarizing this text’
 - ‘Choose the best paraphrase of the main idea of this text’

ESL in the Gulf c. 1985

Based on no particular **culture** analysis

Worse still ~

While imposing foreign schemata, we ignored what could be useful in the schemata the Ss brought with them, such as ~

- A tendency toward cooperative learning and peer teaching
 - Little exploited
 - Viewed mainly as 'cheating'
- Potential processing advantages of a lifetime reading Arabic
 - Greater context-sensitivity (T B Cont'd)

ESL in the Gulf c. 1985

Based on no particular **linguistic** analysis

What affordances and challenges will transfer in from an L1 Arabic? *Unknown*

ESL in the Gulf c. 1985

Based on no particular **research** culture

... whether international or in-house

- Little or no research among the teaching staff
 - Despite MAs and PhDs
- Not encouraged by institutions through promotion policies
 - Though not particularly discouraged
 - Even where encouraged, was not focused on local realities

Yet, usable research eventually there was (1990s -)

- Either through TESOL Arabia conferences
 - Starting in about 1995
- Or when Gulf veterans went home to do PhDs
 - How long did this research take to get back to the Gulf?



1990s begins to see usable research

- At first observational/anecdotal at conferences
 - Here is a reading passage from Headway (1991) used with low intermediate pre-Commerce Ss in a General English course
 - Presented by me at TESOL-Arabia, Al Ain, UAE, 1995 to show a bad mismatch

The Observer newspaper recently showed how easy it is, given a suitable story and a smattering of jargon, to obtain information by bluff from police computers. Computer freaks, whose hobby is

سهل كيف عرض حديثاً الجريدة الراصد
The Observer newspaper recently showed how easy it
من عدد قليل و حقاية مناسب
is, given a suitable story and a smattering of
الشرطة هي خدع؟ الاستعلامات افاد , انه خامية
jargon, to obtain information by bluff from police
هواية؟ الكمبيوتر الكمبيوتر
computers. Computer freaks, whose hobby is

1990s begins to see

Another example

- Teacher-talk transcripti
- These published by Arde

From a chemistry lecturer

“Trying to convey the ide
a chemistry lecturer tries
more common analogies
assembly line, all to no a

From a biology lecturer

“The first time I gave a hybridization analogy, I talked about dogs, and then I switched to goats; and then it even dawned on me that some of them aren't going to know that if you mix two different kinds of goats they come out looking in between, and I didn't know all the specific terms there, what their two different breeds of goats are called –

you can talk about mixing colours, but a lot of them don't know their colours yet.”

1990s begins to see usable research

Eventually explanatory research emerges

1) L1 Affordances

Arabic words demand greater contextual input for identification

Owing to unstated vowels in tri-consonantal roots

Ex **كتب** K-T-B = 'books' 'he wrote' 'have somebody write' 'it is written' etc

English words are more self-contained, less context determined (Abu-Rabia & Siegel, 1995)

But imagine English words without vowels: reading, you come to **ct** - is it cat, cut, caught, cot?

Result: Contextual skills developed for Arabic should be exploitable

E.g., in inferring new word meanings from context

Assuming they know enough of the other words in the context

1990s begins to see usable research

Eventually explanatory

2) L1 Challenges

Arabic speakers problems with word identification and reproduction (spelling) is traced to a different locus of word perception

Reaction Time studies (RT; Randall, 1988)

00000 0X000 0000X 00X00 0000X

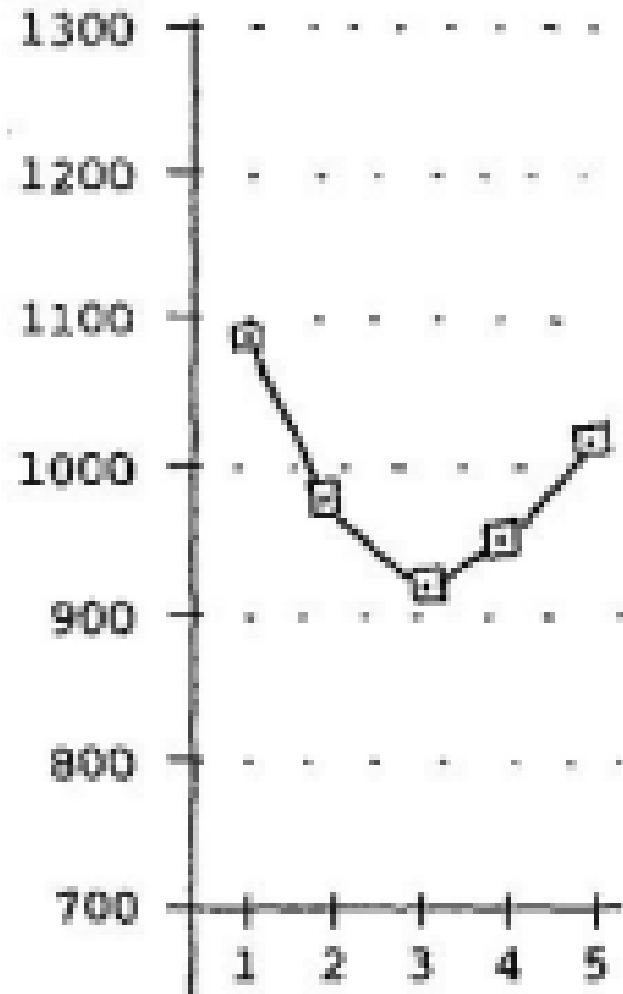
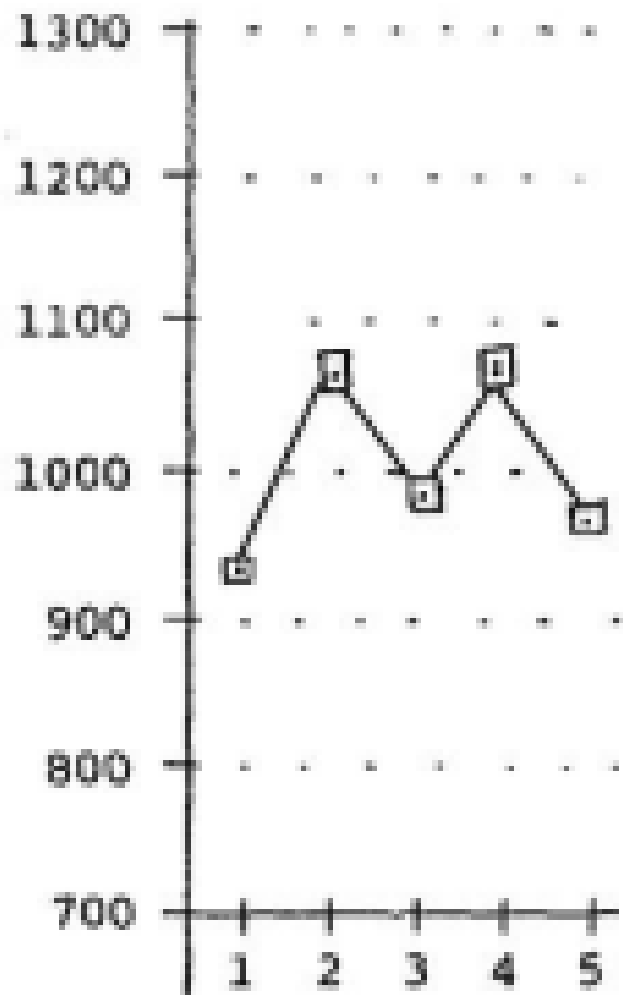
“Is there an X in each string?”

Time to answer is measured in msec

Result: Arabic speakers find **x** more quickly when at centre of word

English speakers when **x** is at the left

A ‘cognitive process transfer’ unlikely to be helpful



But what were the pedagogical implications of these insights?

- How could they be used to improve learning?

One obvious implication:

<< Teach Lexis >>

For both breadth and depth

Most of the 1990s Gulf research focused on *lexis*

Yet I never saw a vocabulary course in 10 years

- No research into the vocabulary Ss knew v. what they needed
 - While 100s of hours were poured into grammar instruction
 - Which is known to be highly interactive with the lexis that carries it
- Yet ironically the major use of class time on any given day was vocab
 - But handled *ad hoc*
 - Without plan, method, system, or explicit testing

So, in general we had set up a fairly under-informed enterprise

Despite the money and number of dedicated and intelligent people involved

- Many with research experience
- That was rarely applied
- Despite the emergence of applied linguistics, 1970s ~
- Despite the amount we didn't know
- Despite the high-stakes risks for the Ss

What might data driven learning contribute to this picture?

Some concrete proposals follow

Many with prototypes tested in a Gulf context

Discussed via my own software 'www.lex Tutor.ca'

Though other software could be used

In two scenarios:

1. A **general** EFL/ESL course
2. A **domain specific** course

Scenario 1. A general EFL/ESL course

Adding a DDL component would need

- a general corpus of the target language
 - Ideally a pedagogically oriented corpus
 - (BNC/Coca, not BNC or Coca)
 - And word lists derived from this corpus
 - Set up to run in a text profiler
- + a corpus of all the Ss' existing learning materials
 - Including old texts and exams if possible

What would having these enable us to do? →

For starters, we could quantify the problem of 'The Observer' text (seen earlier)

Alt-Db1-Click words to send to VP-1 and Thesaurus Boxes

The Observer newspaper recently showed how easy it is, given a suitable story and a smattering of jargon, to obtain information by bluff from police computers. Computer freaks, whose hobby is breaking into official systems, don't even need to use the phone. They can connect their computers directly with any database in the country. Computers do not alter the fundamental issues. But they do multiply the risks. They allow more data to be collected on more aspects of our lives, and increase both its rapid retrievability and the likelihood of its unauthorized transfer from one agency which might have a legitimate interest in it, to another which does not. Modern computer capabilities also raise the issue of what is known in the jargon as 'total data linkage' the ability, by pressing a few buttons and waiting as little as a minute, to collate all the information about us held on all the major government and business computers into an instant dossier on any aspect of our lives

Profile summary		
K	#	cumul%
K-1	132	78.6
K-2	16	88.1
K-3	11	94.6
K-4	1	95.2
K-5		
K-6	2	96.4
K-7	2	97.6
K-8		
K-9		
K-10		
K-11	2	98.8
K-12	1	99.4
K-13		

the-1 **observer-2** **newspaper-2** recently-1 showed-1 how-1 easy-1 it-1 is-1 given-1 a-1 suitable-1 story-1 and-1 a-1 **smattering-12** of-1 **jargon-7** to-1 **obtain-3** information-1 by-1 **bluff-6** from-1 police-1 computers-1 computer-1 **freaks-6** whose-1 **hobby-2** is-1 breaking-1 into-1 **official-2** systems-1 do-1 not-1 even-1 need-1 to-1 use-1 the-1 phone-1 they-1 can-1 **connect-2** their-1 computers-1 **directly-2** with-1 any-1 **database-3** in-1 the-1 country-1 computers-1 do-1 not-1 **alter-2** the-1 **fundamental-3** issues-1 but-1 they-1 do-1 **multiply-4** the-1 **risks-2** they-1 allow-1 more-1 **data-3** to-1 be-1 collected-1 on-1 more-1 **aspects-3** of-1 our-1 lives-1 and-1 **increase-2** both-1 its-1 **rapid-2** and-1 the-1 **likelihood-2** of-1 its-1 **unauthorized-3** **transfer-2** from-1 one-1 **agency-3** which-1 might-1 have-1 a-1 **legitimate-3** interest-1 in-1 it-1 to-1 another-1 which-1 does-1 not-1 **modern-2** computer-1 **capabilities-2** also-1 raise-1 the-1 issue-1 of-1 what-1 is-1 known-1 in-1 the-1 **jargon-7** as-1 total-1 **data-3** **linkage-3** the-1 ability-1 by-1 pressing-1 a-1 few-1 **buttons-2** and-1 waiting-1 as-1 little-1 as-1 a-1 minute-1 to-1 **collate-11** all-1 the-1 information-1 about-1 us-1 held-1 on-1 all-1 the-1 major-1 government-1 and-1 business-1 computers-1 into-1 an-1 **instant-2** dossier-11 on-1 any-1 **aspect-3** of-1 our-1 lives-1

This text is readable *with resources* to Ss who know 3,000 word families
 Readable *independently* with 7,000 known fams

- Nation (2006)
- Laufer (2022) etc

Esp. seen against the **vocab testing** such corpora and lists make possible

Either off-the-shelf k-level tests

The image shows two overlapping screenshots from the LEXTUTOR mobile application. The background screenshot is a menu titled "LEXTUTOR MOBILE LEVELS + SIZE TESTS" with options: "VLT Vocab Levels Test", "VLT 2", "VST Vocab Size Test" (highlighted with a yellow circle and arrow), and "TIV Test de la taille du vocab". The foreground screenshot is titled "Vocab Size Test" and shows test details: "Mode = test", a progress bar (1-14), and a table of scores. The table shows a score of 40 for the 1k level and 0 for others. Below the table, the test is titled "First 1000 [Go 2]" and displays multiple-choice questions. Question 1: "SEE: They saw it." with options a. cut, b. waited for, c. looked at (selected), d. started. Question 2: "TIME: They have a lot of time." with options a. money, b. food, c. hours (selected), d. friends. Question 3: "PERIOD: It was a difficult period." with options a. money, b. food, c. hours (selected), d. friends. Question 4: "DRIVE: He drives fast." with options a. swims, b. learns, c. throws balls, d. uses a car (selected). Question 5: "JUMP: She tried to jump" with options a. lie on top of the w..., b. get off the ground suddenly (selected), c. stop the car at the of the road, d. move very fast. Question 6: "SHOE: Where is your sho..." with options a. money, b. food, c. hours (selected), d. friends.

Level	Per
1k:	40
2k:	0
3k:	0
4k:	0
5k:	0
6k:	0
7k:	0
8k:	0
9k:	0
10k:	0
11k:	0
12k:	0
13k:	0
14k:	0
Size:	400

Recorded [here](#)

Or randomized Yes-No Level Tests

Teacher made, computer assisted

[Home](#) > [Randomize](#) > [RandWords BNC-COCA](#)

BNC-Coca? U.S. COCA (Corpus of Contemporary English) lists blended with U.K. BNC (British National Corpus) lists

Random item generator v.2

What:
Generate x random items from all 25 BNC-COCA lists

How:
Choose list, click Go (repeat)

List:

Number of Items:

coca_heads(02).txt

duck
wise
limit
angel
enemy
threat
fail
battery
tower
wipe
wicked
branch
desert
blind
february
salt
reckon
october
flood
argue

1-3k vocabulary knowledge test PROF xxx / student _____ 5 NOV 22

Put a check mark ✓ beside each word you know. Some are not real words.

1k	2k	3k
	angel argue bance battery blind branch degate desert duck eckett eldred enemy fail flood galpin gumer justal limit reckon salt stace threat tower	

Comparing course text profiles to learner test scores showed that...

Text analysis

- The “Observer” text profile is typical of pre-academic ESL course books used in the Gulf
 - Knowledge of 2500-3,000 word-families is the target
 - Higher with domain-specific corpus

Testing

- ... while few Gulf Ss were coming out of school with more than 1,000 words
 - Many with less
 - Many Ss’ knowledge is giving them \approx 75% lex coverage in their readings
 - 95% is minimum for basic comprehension
 - Or inference of meaning of novel items

'Observer' with 1,000 words known: 78% coverage

The [1] [redacted] [2] [redacted] recently showed how easy it is , given a suitable story and a [3] [redacted] of [4] [redacted] to [5] [redacted] information by [6] [redacted] from police computers. Computer [7] [redacted] whose [8] [redacted] is breaking into [9] [redacted] systems , don't even need to use the phone. They can [10] [redacted] their computers [11] [redacted] with any [12] [redacted] in the country. Computers do not [13] [redacted] the [14] [redacted] issues. But they do [15] [redacted] the [16] [redacted] . They allow more [17] [redacted] to be collected on more [18] [redacted] of our lives , and [19] [redacted] both its [20] [redacted] [21] [redacted] and the [22] [redacted] of its [23] [redacted] [24] [redacted] from one [25] [redacted] which might have a [26] [redacted] interest in it , to another which does not. [27] [redacted] computer [28] [redacted] also raise the issue of what is known in the [29] [redacted] as ' total [30] [redacted] [31] [redacted] ' the ability , by pressing a few [32] [redacted] and waiting as little as a minute , to [33] [redacted] all the information about us held on all the major government and business computers into an [34] [redacted] [35] [redacted] on any [36] [redacted] of our lives

List of Removed Words (+

agency alter aspect aspects
bluff buttons capabilities
collate connect data (2)
database directly dossier
freaks fundamental hobby
increase instant jargon (2)
legitimate likelihood linkage
modern multiply newspaper
observer obtain official rapid
retrievability risks smattering
transfer unauthorized

Similar for a v. basic science text: 75% coverage

Mouse entry or Tabkey + Arrows + Return (shift-Tab to go up)

The [1] [redacted] 's shape appears to change from a [2] [redacted] to a half [3] [redacted] to a whole [4] [redacted] and back again. These changes are caused by the way sunlight strikes the [5] [redacted] as it [6] [redacted] around Earth. Earth's [7] [redacted] The [8] [redacted] is a [9] [redacted] made of rock that [10] [redacted] around Earth once every Earth days. As it [11] [redacted] the [12] [redacted] also [13] [redacted] once on its [14] [redacted] in the same amount of time. As a [15] [redacted] the same side of the [16] [redacted] the near side always faces Earth. The other side faces away from Earth so you cannot see it from Earth. The [17] [redacted] does not make its own light [18] [redacted] is really sunlight [19] [redacted] from the [20] [redacted] 's [21] [redacted] . To [22] [redacted] means to [23] [redacted] off. The [24] [redacted] sunlight makes the side of the [25] [redacted] facing the Sun look bright Sun. The [26] [redacted] 's [27] [redacted] [28] [redacted] light , but the [29] [redacted] does not make its own light. If the same side of the [30] [redacted] always faces Earth , why does the [31] [redacted] appear to change shape? As it [32] [redacted] around Earth , the [33] [redacted] 's near side [34] [redacted] different amounts of sunlight.

List of Removed Words (+

axis bounce circle (2) crescent
moon (14) moonlight receives
reflect reflected reflecting
reflects result revolves (4)
rotates sphere surface (2)

So any contextual affordance from Arabic will not come into play

Following testing and profiling, the first peda-task for DDL is to quickly increase the breadth of general vocabulary knowledge

With a *dedicated vocab course*

- E.g., following a ‘Learner as Lexicographer’ model
 - After testing, each student is in target=2k or 3k level
 - 1000 words/10 weeks = 100 words per week
 - Some are known – task is build a glossary of those not
 - Ss’ decide which words – learner agency etc
 - Find clear example for each in the corpus, + definition, + enter in personal database
- + weekly quiz



- This is the software I used for such a course, 1990s
- At KSU, then SQU

- 1) LIST (2k or 3k)
- 2) CONCORDANCE
- 3) MEANS TO EXTRACT A GLOSSARY
- 4) QUIZZES

LIST A B C D E F G H I J K L

about above
 accept accident
 ache across
 address admire

129

CONCORDANCE

e and was invited aboard an
 on't do something ABOUT that
 ently. ¶ L: What ABOUT the
 Mr Harold Thomas ABOUT the
 e started talking ABOUT my
 don't open until ABOUT uhm.
 on't! ¶ B: Fights ABOUT gett
 n the legends are ABOUT the
 ell false stories ABOUT the

SOURCE TEXT

Q: I'm 16 and I have never been out with one. My friends have all had lots of girlfriends interested in me. When I ask girls out, they don't. Now I tell everyone that I have a girlfriend and they believe me. What should I do?

A: People of your age, especially boys, often tell false stories ABOUT their experiences. I'm sure some of your friends shouldn't tell lies, because that will make people learn the truth sooner or later. Your time will come.

Word Stacks • 1

⌘ Q  LAILA

WORD STACKS 

ABOUT QUIZ: 1->2

عن ، تقريبا

A: People of your age, especially boys, often tell false stories ABOUT their experiences.

Most shops don't open as early as in England, well they don't open until ABOUT uhm... 10 or 11 in the morning.

New Word Find

Alphabetize First W'd Today

Throw Out Print

← →

2 WORDS

Typical 'Learner-as-Lexicographer' Glossary from Oman, 1993

<p><u>EMPLOY</u></p> <p>يستخدم</p> <p>They EMPLOY a consultant engineer to design it and prepare all the plans.</p>	<p><u>ENGAGED</u></p> <p>(١) خاطيب / (٢) مشغول</p> <p>Then the monster attacks and kills not only Frankenstein's friend but also his brother and the woman his brother is ENGAGED to, his brother's fiance Elizabeth.</p>
<p><u>EMPLOYEE</u></p> <p>مستخدم / اجير</p> <p>The manager began to hire new EMPLOYEES who could put the idea into action.</p>	<p>If you want to phone someone, it's often impossible because they're ENGAGED all the time.</p>
<p><u>ENCOURAGE</u></p> <p>شجع</p> <p>They ENCOURAGED women to break the law.</p>	<p><u>ENGINE</u></p> <p>محرك / ماكينة</p> <p>The ENGINES started to roar, the plane started to shake, and after a bumpy take-off we were suddenly up in the air over the water.</p>
<p><u>ENEMY</u></p> <p>خصم / عدو</p> <p>His main ENEMY was the Sheriff of Nottingham, who was always trying to capture Robin but never managed to do it.</p>	<p><u>ESCAPE</u></p> <p>يفلت من / يهرب</p> <p>The thieves managed to get in and ESCAPE without setting off the security alarm by cutting off the electricity supply.</p>

With one big surprise:

When I have used this approach, the emergent glossaries become a shared learning resource

Costing reams of paper !



Needed! software to facilitate collaborative dimension

Format of weekly quizzes

Here is "C" week

(Significant labour)

<p>992 VOCABULARY QUIZ 2 (C)</p> <p>Part A. Recognition (1 each = 15 points) Write the number of each word beside the correct definition.</p> <p>1. candle 2. cabbage 3. candy 4. capital 5. chalk 6. chat</p> <p>1. centre 2. chapter 3. chimney 4. church 5. clinic 6. couple</p> <p>1. cry 2. control 3. charge 4. cover 5. contact 6. clap</p> <p>1. curious 2. cruel 3. crazy 4. cloudy 5. confident 6. convenient</p> <p>Part B. Cloze (1 each = 10 points) Choose from these words to complete the passage.</p> <table border="0"> <tr> <td>continued</td> <td>customers</td> <td>catch</td> </tr> <tr> <td>century</td> <td>court</td> <td>congratulations</td> </tr> <tr> <td>chest</td> <td>clever</td> <td>caused</td> </tr> <tr> <td>connected</td> <td>curly</td> <td>contained</td> </tr> </table>	continued	customers	catch	century	court	congratulations	chest	clever	caused	connected	curly	contained	<p>Young Computer Criminals</p> <p>Computers have changed our lives in many ways and made so many things easier to do. Most of us would probably agree that the computer is the most important invention of the 20th (1)..... By now most of us know how to use a computer and these days children learn how to use them at school. This sounds like a great idea. Computer games are good entertainment and educational programs are clearly very useful. But some children are able to do surprising things with computers. For example, in the United States some young computer users found a way to rob banks! These very (2)..... boys made a computer program that wrote thousands and thousands of different telephone numbers. When they (3)..... their program to the bank's telephone, the computer started dialing the numbers. The computer (4)..... dialing the phone numbers, day after day, until the bank's secret telephone number was finally found. Then the boys were able to open the files which (5)..... bank account information, and they started changing things. As you can imagine, you could easily make yourself very rich just by opening a new file and typing some numbers! Of course, bank (6)..... soon noticed that there were problems with their accounts and they started complaining to the bank manager. The police were brought in but it wasn't easy to (7)..... these criminals because no one expected the thieves to be children. In the end the police weren't sure what to do with the boys. They were too young to be sent to a (8)..... of law, and they were certainly too young to go to prison. The bank just had to find a better way to protect its files. Computer criminals have also (9)..... problems for credit card companies in the same way, and these companies have lost a lot of money. Finally, you may be interested to know that students who are good with computers have found a new way to (10)..... Again, by trying thousands of different numbers, they find their way into the computer network of their school and simply change their marks!</p>
continued	customers	catch											
century	court	congratulations											
chest	clever	caused											
connected	curly	contained											

Updated software, as used in 2021 by 100+ institutions

Home > List_Learn > BNC/COCA > L_L BNC/COCA 25

Default Corpus: 2k Graded Corpus

Default Dictionary: Eng_Arab

[1.] Choose k-list: coca_heads(02).txt

accent
access
accident
according
account
accuse
ace
active
adapt
admire
adult
advance
advantage
adventure
advice
advise
affair
affect
agent

Concordance for *family* **admire** in corpus graded_2k.txt Dictionary/TTS Eng Arab

002. e room in the arms of Claud, who danced ADMIRABLY. She could see, as st

003. leave!' The actor in Loding was full of ADMIRATION for the young man he

004. beautiful countryside, Paul was lost in ADMIRATION. New leaves on the c

005. Catherine, you know very well that you ADMIRE him.' Oh, Aunt Penniman!

006. ' said Catherine again. Perhaps she did ADMIRE him though this did not

007. trial and get out of prison.' He had to ADMIRE her. She was prepared to

008. lse like it. It's enormous! You have to ADMIRE the Americans for think

009. edibly hardworking. I think you have to ADMIRE them for that. The hard

010. ly in Somalia and Rwanda, and they were ADMIRED for their achievements

011. omen at all. The only woman he had ever ADMIRED had been his wife. He v

012. nd the horse stood there, pleased to be ADMIRED, but carefully watchin

013. it ! he thought. Then he stood back and ADMIRED his preparations. 'The

Send words to... [7.] Save your corpus findings here

Build a Dictionary of Words, Examples, Meanings (with one click from bottom of Larger Context above). Copy-Paste to an Excel sheet to start building a dictionary of words at your growth-edge.

Dictator Multiconc ID-words

admire

ADMIRE POS: verb EX: You have to ADMIRE the Americans for thinking of such an idea - only they could put together something this big. DEF: الإنجليزية

WordReference

بحث الإنجليزية-العربية

Type Arabic characters with a virtual keyboard.

admire

LISTEN: UK

(ad mɪr', -'d' maɪr/ :UK:*/æ

Inflections of 'admire' (v): (= v 3rd person singular v pres p v past v past p

:admires
:admiring
:admired
:admired

WR Reverse (1) WordRe

WordReference English-Arabic Dictionary © 2022:

ترجمات رئيسية

العربية

القائمة (respect)

Home
>List_Learn>E
L_L BNC-20

Default Corpus
2k Graded Corpus
Default Dictionary
Eng_Arab

[1.] Choose k-list
bnc_heads(3).txt

abroad
absence
accelerate
according
accountant
accuse
ache
adapt
addict
admire
adventure
aerial
aeroplane
affection
aggressive
airline
album
alcohol
alert

to you and offer to talk, which the kids thought was great.

WORD	POS	EXAMPLE	MEANING
ADMIRE	vb 2	You have to ADMIRE the Americans for thinking of such an idea - only they could put together something this big. 3	1

< Back

Dictionary Eng_Arab
Get

Send words to...

Dictator Multiconc

ID-words

admire

[7.] Save your corpus findings here
Build a Dictionary of Words, Examples, Meanings (with one click from bottom of Larger Context above). Copy-Paste to an Excel sheet to start building a dictionary of words at your growth-edge.

العربية-الإنجليزية
Type Arabic characters with a virtual keyboard.

flexions of 'admire' (v): (⇒ conjugate)
nires v 3rd person singular
iring v pres p
nired v past
nired v past p

WR Reverse (1)

WordReference

ence English-Arabic Dictionary © 2022:

ترجمات رئيسية

العربية الإنجليزية

يقدر (respect) admire [sb] ⇒ vtr

admires doctors who
nter to work in third-
world countries.

تحترم كريستين الأطباء الـ
يتطوعون للعمل في بلدان
الثالث.

يُنال (be impressed by) admire [sth] ⇒

+ automated weekly tests

(A) Weekly →

Because randomly generated, can be practiced in advance

The screenshot shows a mobile application interface for a 'Y-N Test'. At the top, there are two navigation bars, each with a back arrow, the text 'Y-N Test', and a red box containing 'k0c1'. Below the navigation bars is a search bar with the text 'ID' and a magnifying glass icon. A grey bar below the search bar contains the text 'Check the words you know then Score'. The main content area displays a list of words in a 3x3 grid, each with a checkbox and a checkmark. The words are: about, give, problem, berrow, ibward, should, city, into, sleeds, conro, large, some, diveft, levere, that, every, louncy, what, family, macate, when, foming, mately, woman, four, never, world, from, people, would. At the bottom, there are three buttons: 'Retest k0c1', 'Flashcards k0c1', and 'Next test', all enclosed in a yellow rounded rectangle.

<input checked="" type="checkbox"/> about	<input checked="" type="checkbox"/> give	<input checked="" type="checkbox"/> problem
<input type="checkbox"/> berrow	<input type="checkbox"/> ibward	<input checked="" type="checkbox"/> should
<input checked="" type="checkbox"/> city	<input checked="" type="checkbox"/> into	<input type="checkbox"/> sleeds
<input type="checkbox"/> conro	<input checked="" type="checkbox"/> large	<input checked="" type="checkbox"/> some
<input type="checkbox"/> diveft	<input type="checkbox"/> levere	<input checked="" type="checkbox"/> that
<input checked="" type="checkbox"/> every	<input type="checkbox"/> louncy	<input checked="" type="checkbox"/> what
<input checked="" type="checkbox"/> family	<input type="checkbox"/> macate	<input checked="" type="checkbox"/> when
<input type="checkbox"/> foming	<input type="checkbox"/> mately	<input checked="" type="checkbox"/> woman
<input checked="" type="checkbox"/> four	<input checked="" type="checkbox"/> never	<input checked="" type="checkbox"/> world
<input checked="" type="checkbox"/> from	<input checked="" type="checkbox"/> people	<input checked="" type="checkbox"/> would

Retest k0c1 Flashcards k0c1 Next test

Advantages of Auto-Randomized Test

- **Cannot** be known in advance ★
 - Found + copied etc
 - (All Nation's tests are widely available)
- **Can** be practised ★★ ★
 - Ss can make any number of practice tests for mobile phone
 - Unlike any fixed test
- **Economical**
No time-consuming (engagement limiting) labour for teachers ★★

The screenshot shows a mobile application interface for a 'Y-N Test' (Yes/No Test) for the category 'k1c5'. At the top, there is a navigation bar with a back arrow, the title 'Y-N Test', and the category 'k1c5'. Below the title is a search bar with the text 'ID' and a magnifying glass icon. A grey bar below the search bar contains the instruction 'Check the words you know then Score'. The main area of the screen displays a list of words in a 3x3 grid. Each word is preceded by a checkbox. The words are: angeb, calculate, carotib, catures, complain, constant, duburbs, ease, fail, gefuse, heaven, heppery, impress, knee, lavity, oven, phimes, platad, pour, punish, recipe, refrigerator, refuse, sharp, slave, soup, states, trade, umsaid, and vegetable. The 'Retest k1c5' button is circled in yellow. The 'Flashcards k1c5' and 'Next test' buttons are underlined in yellow.

<input type="checkbox"/> angeb	<input checked="" type="checkbox"/> heaven	<input checked="" type="checkbox"/> recipe
<input checked="" type="checkbox"/> calculate	<input type="checkbox"/> heppery	<input checked="" type="checkbox"/> refrigerator
<input type="checkbox"/> carotib	<input checked="" type="checkbox"/> impress	<input checked="" type="checkbox"/> refuse
<input type="checkbox"/> catures	<input checked="" type="checkbox"/> knee	<input checked="" type="checkbox"/> sharp
<input checked="" type="checkbox"/> complain	<input type="checkbox"/> lavity	<input checked="" type="checkbox"/> slave
<input checked="" type="checkbox"/> constant	<input checked="" type="checkbox"/> oven	<input checked="" type="checkbox"/> soup
<input type="checkbox"/> duburbs	<input type="checkbox"/> phimes	<input checked="" type="checkbox"/> states
<input checked="" type="checkbox"/> ease	<input type="checkbox"/> platad	<input checked="" type="checkbox"/> trade
<input checked="" type="checkbox"/> fail	<input checked="" type="checkbox"/> pour	<input type="checkbox"/> umsaid
<input type="checkbox"/> gefuse	<input checked="" type="checkbox"/> punish	<input checked="" type="checkbox"/> vegetable

Retest k1c5 Flashcards k1c5 Next test

... + remediated
as needed
with Flashcards

(linked from
test)

(Always with
TTS)

SHCARDS by LEXTUTOR - Google Chrome
xtutor.ca/m/flash/engine.html

< A-Z Z-A RAND Qz k0c5

ID undefined Y-N Test

WORD 63 / 100

MIDDLE

↑
← ↓ →

This screenshot shows the front of a flashcard in a web browser. The interface includes a navigation bar with a back arrow, sorting options (A-Z, Z-A, RAND), a checked 'Qz' option, and a 'k0c5' identifier. Below this is a search bar with 'ID' and 'undefined' text, and a 'Y-N Test' label. The main content area is a yellow rectangle containing the text 'WORD 63 / 100' and 'MIDDLE' with a speaker icon. At the bottom, there are four arrow keys (up, down, left, right) for navigation.

< A-Z Z-A RAND Qz k0c5

ID undefined Y-N Test

MEANING 63 / 100

NOUN/ADJ positioned
between other things

↑
← ↓ →

This screenshot shows the back of a flashcard. The navigation bar is identical to the front view. The main content area is a blue rectangle containing the text 'MEANING 63 / 100' and 'NOUN/ADJ positioned between other things'. The same four arrow keys are visible at the bottom.

(B) Mid-Term + Final test →

1. spell from TTS

Also practiceable

Linked from home page






Dictator Spell Words From Speech v.7.2

OPTIONS: Language: en-gb | Gender : female | Voice: Lily | Unit: words | Mode: train | random

TRAINING MODE: Listen to the words, try to spell each, use Guidespell until score = 100%.

Do as Test

Five words from last week
Practice until you know them then take the test

Click to hear words	<u>WORK SPACE</u> Type the words you hear	GUIDE- SPELL	<u>FEEDBACK SPACE</u> Left to right, this much is correct	OK %
 Word 1 >	enemie	Check	enem _ _	80
 Word 2 >	employ	Check	employ	100
 Word 3 >	encorage	Check	enco _ _ _ _	44
 Word 4 >	admire	Check	admire	100
 Word 5 >	employie	Check	employ _ e	88

Mid-Term +
Final test →
2. apply meaning
to novel context
(transfer)

Also
practiceable
(E.g. practice
online, paper
test)
All linked from
home page

MultiConc Output

Interactive Quiz Option Do again (new randomization)

Which word/phrase

admire employ en
Click words for Dictionary E

Questions : 5
History >>

1. =====
=====

- [001] ADMIRE
- [002] EMPLOY
- [003] EMPLOYEE
- [004] ENCOURAGE
- [005] ENEMY
- [006] t walked o
- [007] sorry for

2. ENCOURAGE

- [001] iters but
- [002] a step fu
- [003] d over the
- [004] ritish goo

Multiple Concordances (Corpus=corpus_graded_2k.txt)

EMPLOY | EMPLOYEE | ADMIRE |

Hits: 007

[001]	businessmen rarely wanted to	_____	paid workers. The shipping bu
[002]	a bridge or a hospital. They	_____	a consultant engineer to desi
[003]	ge of cheap communications to	_____	data-entry clerks in Barbados
[004]	n for example, London, might	_____	clerks in Belfast, or a Paris
[005]	are of t he abilities she can	_____	to overcome this handicap. Li
[006]	fter the inquiry. Nobody will	_____	me as an officer again. I hav
[007]	businessmen rarely wanted to	_____	paid workers. The shipping bu

Hits: 007

[001]	g. They just work. A contract	_____	can charge double the cost of
[002]	double the cost of a regular	_____	and still be a bargain. FOR
[003]	ug Enforcement Administration	_____	won \$180,000 in Probst v. Ren
[004]	Housing and Urban Development	_____	, in Barvick v. Cisneros et al
[005]	it 'The Spirit of Delta.' As	_____	morale crashed, customer comp
[006]	oday that it had dismissed an	_____	for unauthorized options trad
[007]	urely the person is still an	_____	? LD: Well yes, you may think

Hits: 007

[001]	Salisbury. Maudsley seemed to	_____	the name Court Place. He prob
[002]	th my bicycle. Everyone would	_____	it. I had not learned to ride
[003]	hen suddenly kind. He did not	_____	me particularly, and I felt t
[004]	t. It's enormous! You have to	_____	the Americans for thinking o
[005]	dworking. I think you have to	_____	them for that. The hard work
[006]	, you know very well that you	_____	him.' Oh, Aunt Penniman!' sai
[007]	herine again. Perhaps she did	_____	him though this did not seem

Summary: Vocab course

Words are ~

- Identified by testing
- Numerous
- Met in a variety of aspects, contexts, and tasks
 - In and out of context
- Will be re-met *in situ* in regular learning materials (the corpus)

+ but DDL can also support other areas of a language course →

Corpus based grammar

1 prep tutorial →

[HOME](#) > Corpus Grammar

Grammar intuition v. corpus data for error correction

Related
• John
• Gasl
• BAW
Youtube

[Prepositions](#) | [Singular-Plural](#) | [Word Order](#) | [Gerund-Infinitive](#) | [Simple Past-Present Perfect](#) | [Conditionals](#)
[Formulaics](#) | [French](#)

A. Prepositions

Num	Error sentence	Data	Correction space	CHECK	Help	FB
1.	He's going to home.	CONC	He's going to home.	Check	Help	
2.	The people are fed up of so many elections.	CONC	The people are fed up of so many elections.	Check	Help	
3.	Tell to me everything she said.	CONC	Tell to me everything she said.	Check	Help	
4.	They listen the radio every morning.	CONC	They listen the radio every morning.	Check	Help	
5.	(MULTI) She is interesting to watching birds.	CONC	She is interesting to watching birds.	Check	Help	

B. Singular-Plural

[Home](#) > [Concordancers](#) > [English Input](#) > [Output](#)

(« Back keeps original settings)

Copiable extract-link

Concordance for **home** in brown_bncw.txt

Dictionary/TTS

MODIFY:

equals home Brown_BNC Writ. (2+m)> SORT key +ASSOC go ON L|R FOR
25,000 LINES @ 80 WIDE Go

028. hing for you to do", Eddie said, "is go HOME. You don't belong in professional b
029. said Samuel Burns, "probably went right HOME and poured himself into a boiling b
030. d no one could fill. The Brainards went HOME early. Martin realized, later on, t
031. be no trouble tonight so that I can go HOME early. Unified state more longing t
032. n town Tegucigalpa, and it's time to go HOME. And here, at last, come the Kids f
033. ght in Tegucigalpa, and it's time to go HOME. And here, at last, come the Kids f
034. ercenary, Mr Bob Denard, and his men go HOME. -- AP. Rebels attacked. Planes bom

Corpus based grammar


When I had finished I went to home. [\[Revision 1\]](#) The next day I got up...

<http://www.lex tutor.ca/scripts/cgi-bin/wwwassocwords.exe?Corpus=Brown.txt&SearchStr=home&AssocWord=go&Associate=Left&D1=6&Maximum=21>

1 as prep tutorial

2 as embedded links in Ss writing →

Gaskell & Cobb 2004



1 . But if you're worried you can go home and check"- "I can't leave the
2 e left, it was dark and time to go home and cook supper for her husband. "
3 ds who seemed determined not to go home at all. Only a plea from the house
4 to make when they are about to go home, but drinking is their sickness. Y
5 row some money from someone and go home by bus? I could send the money rig
6 saying "American imperialists, go home". Chin up, Soapy. @ B01 0960 8
7 miles for the burial would not go home, for she might die any time; but t
8 ". "Aren't you ever going to go home"? "It sure as hell doesn't look
9 t without flinching. "I said go home, Joseph. You've got no business up
10 near the Dutch Reformed. "Go on home"! Ludie screeched at him. "Someone
11 or, she would tell him, "If you go home now, I'll scream". More often than
12 may go up near enough to hurt your home or to hurt its value. F13 1330 4
13 are you now"? or an "I want to go home", or whatever- but a nonverbal one
14 een. The little Ito girl had to go home. She has a pretty bad cold". "I
15 o beat people ... I want ... to go home". These were the last words he
16 thirty minutes after the others go home this afternoon and work your probl
17 Goddamn. Goddammit. Just let me go home to Jersey, back to the shore, oh,
18 ly no place to go, finally, except home to Mae. At the gate he slowed,
19 r said, was let manual laborers go home Tuesday night for some rest. Work
20

Morphology in context

The Observer newspaper recently showed how easy it is, given a suitable story and a smattering of jargon, to obtain information by bluff from police computers. Computer

freaks, whose hobby is breaking into [1] systems, don't even need to use [2] phone.

They can connect their computers [3] with any database in the country. Cor

do not alter the fundamental issues. But [4] do multiply the risks. They allow [5]

data to be collected on more [6] of our lives, and increase both [7] ra

retrievability and the likelihood of unauthorized transfer from one agency whi

might have a legitimate interest [8] another which does not. Modern com

capabilities also raise the issue of what [10] known in the jargon as 'total [11] linkage' the

- aspect
- aspected
- aspects

Reading with resources

[<=Return to https://lexutor.ca/hyp/2/](https://lexutor.ca/hyp/2/)

[<=Builder via 'back'](#)


Save on Lextutor as recycled_plastic[6].html

MEDIA SPACE

HYPERTEXT FILE: recycled_plastic[6]

Dico: Eng_Eng | TTS accent: US | Platform: computer

Select a word (double-click) & then click DEFINE 

or word/paragraph (triple-click) & SPEAK 

WORD BOX

SELECT

landfills

Words go to...

Dictator

MultiConc

ID-Words

DEFINE

SPEAK

- Normal
- Slow
- Stop

VOA News in Regular English -

Places like these are where most of the world's plastics end up - in **landfills**. And a fair amount of it ends up in the world's oceans, but a new British recycling firm wants it to end up here.

There is a great demand right now for recycled material; there's a great deal of interest in getting recycling into the plastics industry, especially, and so we are really going to facilitate the ability to get plastic into the circular economy.

The firm called Recycling Technologies is breaking down plastic then turning it into fuel oils, or feedstock, to make

Search

English definiti

English © 2022

land•fill /ˈlændˌfɪl/

n.

1. a low area of land [countable] built up from deposits of solid layers and covered by soil.
2. the solid [uncountable] garbage itself.

Reading with resources + listening

The screenshot displays the Lextutor interface for a file named "recycled_plastic[6].html". At the top, there are navigation links: "<Return to https://lextutor.ca/hyp/2/" and "<Builder via 'back'", and a "Save on Lextutor as recycled_plastic[6].html" button. The main header includes "HYPERTEXT FILE: recycled_plastic[6]", "Dico: Eng_Eng | TTS accent: US | Platform: computer", and instructions: "Select a word (double-click) & then click DEFINE [down arrow] or word/paragraph (triple-click) & SPEAK [down arrow]".

Below the header is a "WORD BOX" containing the word "landfills" and a "SELECT" button. At the bottom of the interface, there are buttons for "Words go to...", "Dictator", "MultiConc", "ID-Words", "DEFINE", and "SPEAK". The "SPEAK" button has three radio button options: "Normal" (selected), "Slow", and "Stop".

On the right side, there is a video player with a red play button. The video title is "British Firm Creates Novel Way to Re...".

The main content area is split into two columns. The left column has a yellow background and contains text from a VOA News article. The right column has a red background and contains a search results snippet for "land•fill".

VOA News in Regular English -

Places like these are where most of the world's plastics end up - in **landfills**. And a fair amount of it ends up in the world's oceans, but a new British recycling firm wants it to end up here.

There is a great demand right now for recycled material; there's a great deal of interest in getting recycling into the plastics industry, especially, and so we are really going to facilitate the ability to get plastic into the circular economy.

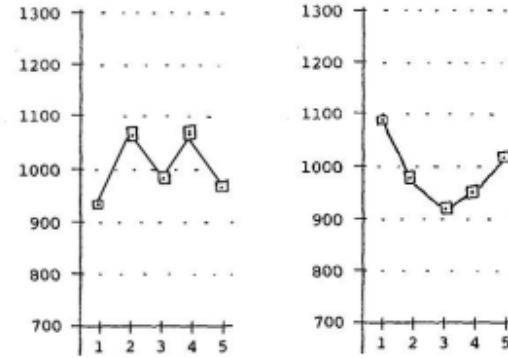
Search English definition [dropdown] [refresh]

English © 2022

land•fill /ˈlændˌfɪl/
n.

1. a low area of land [countable] [Civil Engineer] built up from deposits of solid garbage in layers and covered by soil.
2. the solid [uncountable] [Civil Engineer] garbage itself.

And the U-Shaped curve?
(Of Arabophones' word recognition)



No simple solution to this

- But ***massive exposure*** and ***fluency practice*** are a first guess at a pedagogy
 - Corpus is a massive source of input
 - If it can be carved up in an engaging manner
- Fluency practice →

Fluency practice

- This can not happen with The Observer text
 - It is the 'hard going' type of reading
 - Which has some uses but not a steady diet
- Fluent reading takes place with texts that contain ~
 - 98% well-known words
 - = recognized in < 900 msec
- Where do such texts come from
 - Simplified stories, extensive reading – rare in 1990s Gulf but *always* successful when used
 - Bookworms, SRA Kits
- Or make your own
 - **Computer-assisted text modification →**

(1) Achieve 98% known words with text modification

Alt-DbI-Click words to send to VP-1 and Thesaurus Boxes

The Observer newspaper recently showed how easy it is, given a suitable story and a smattering of jargon, to obtain information by bluff from police computers. Computer freaks, whose hobby is breaking into official systems, don't even need to use the phone. They can connect their computers directly with any database in the country. Computers do not alter the fundamental issues. But they do multiply the risks. They allow more data to be collected on more aspects of our lives, and increase both its rapid retrievability and the likelihood of its unauthorized transfer from one agency which might have a legitimate interest in it, to another which does not. Modern computer capabilities also raise the issue of what is known in the jargon as 'total data linkage' the ability, by pressing a few buttons and waiting as little as a minute, to collate all the information about us held on all the major government and business computers into an instant dossier on any aspect of our lives

Profile summary		
K	#	cumul%
K-1	132	78.6
K-2	16	88.1
K-3	11	94.6
K-4	1	95.2
K-5		
K-6	2	96.4
K-7	2	97.6
K-8		
K-9		
K-10		
K-11	2	98.8
K-12	1	99.4
K-13		

the-1 observer-2 newspaper-2 recently-1 showed-1 how-1 easy-1 it-1 is-1 given-1 a-1 suitable-1 story-1 and-1 a-1 smattering-12 of-1 jargon-7 to-1 obtain-3 information-1 by-1 bluff-6 from-1 police-1 computers-1 computer-1 freaks-6 whose-1 hobby-2 is-1 breaking-1 into-1 official-2 systems-1 do-1 not-1 even-1 need-1 to-1 use-1 the-1 phone-1 they-1 can-1 connect-2 their-1 computers-1 directly-2 with-1 any-1 database-3 in-1 the-1 country-1 computers-1 do-1 not-1 alter-2 the-1 fundamental-3 issues-1 but-1 they-1 do-1 multiply-4 the-1 risks-2 they-1 allow-1 more-1 data-3 to-1 be-1 collected-1 on-1 more-1 aspects-3 of-1 our-1 lives-1 and-1 increase-2 both-1 its-1 rapid-2 and-1 the-1 likelihood-2 of-1 its-1 unauthorized-3 transfer-2 from-1 one-1 agency-3 which-1 might-1 have-1 a-1 legitimate-3 interest-1 in-1 it-1 to-1 another-1 which-1 does-1 not-1 modern-2 computer-1 capabilities-2 also-1 raise-1 the-1 issue-1 of-1 what-1 is-1 known-1 in-1 the-1 jargon-7 as-1 total-1 data-3 linkage-3 the-1 ability-1 by-1 pressing-1 a-1 few-1 buttons-2 and-1 waiting-1 as-1 little-1 as-1 a-1 minute-1 to-1 collate-11 all-1 the-1 information-1 about-1 us-1 held-1 on-1 all-1 the-1 major-1 government-1 and-1 business-1 computers-1 into-1 an-1 instant-2 dossier-11 on-1 any-1 aspect-3 of-1 our-1 lives-1

Alt-DbI-Click words to send to VP-1 and Thesaurus Boxes

The Observer newspaper recently showed how easy it is, given a suitable story and a BIT of POLICE LANGUAGE, to GET information from police computers. Computer CRIMINELS, whose PLEASURE is breaking into official systems, don't even need to use the phone. They can connect their computers directly with any data SOURCE in the country. Computers do not CHANGE the BASIC issues. But they do INCREASE the risks. They allow more data to be collected on more PARTS of our lives, and increase both its ACCESS and the likelihood of its ILLEGAL transfer from one OFFICE which might have a REASONABLE interest in it, to another which does not. TODAY'S computer ABILITIES also raise the issue of what is known as 'total data linking' - the ability, by pressing a few buttons and waiting as little as a minute, to BRING TOGETHER all the information about us held on all the major government and business computers into a FILE on any PART of our lives

Edit-to-a-Profile

Edit, Check with

RE-VP

Profile summary

K	#	cumul%
K-1	143	87.2
K-2	16	97.0
K-3	5	100.0
K-4		

the-1 observer-2 newspaper-2 recently-1 showed-1 how-1 easy-1 it-1 is-1 given-1 a-1 suitable-1 story-1 and-1 a-1 bit-1 of-1 police-1 language-2 to-1 get-1 information-1 from-1 police-1 computers-1 computer-1 criminals-1 whose-1 pleasure-2 is-1 breaking-1 into-1 official-2 systems-1 do-1 not-1 even-1 need-1 to-1 use-1 the-1 phone-1 they-1 can-1 connect-2 their-1 computers-1 directly-2 with-1 any-1 data-3 source-3 in-1 the-1 country-1 computers-1 do-1 not-1 change-1 the-1 basic-1 issues-1 but-1 they-1 do-1 increase-2 the-1 risks-2 they-1 allow-1 more-1 data-3 to-1 be-1 collected-1 on-1 more-1 parts-1 of-1 our-1 lives-1 and-1 increase-2 both-1 its-1 access-2 and-1 the-1 likelihood-2 of-1 its-1 illegal-2 transfer-2 from-1 one-1 office-1 which-1 might-1 have-1 a-1 reasonable-1 interest-1 in-1 it-1 to-1 another-1 which-1 does-1 not-1 today-1 computer-1 abilities-1 also-1 raise-1 the-1 issue-1 of-1 what-1 is-1 known-1 as-1 total-1 data-3 linking-3 the-1 ability-1 by-1 pressing-1 a-1 few-1 buttons-2 and-1 waiting-1 as-1 little-1 as-1 a-1 minute-1 to-1 bring-1 together-1 all-1 the-1 information-1 about-1 us-1 held-1 on-1 all-1 the-1 major-1 government-1 and-1 business-1 computers-1 into-1 a-1 file-2 on-1 any-1 part-1 of-1 our-1 lives-1

(2) Reduce word recognition speed

Get it closer to native speaker's 700-900 msec. How?

RT for word recognition can improve with practice

- A certain amount of practice happens with fluent reading itself
 - E.g. of modified texts etc
- Not quickly

But RT can also be tackled directly

- Speed-rewarding computer games can drop RT
 - 'Word Coach' study (Cobb & Horst, 2011) found a 43% decrease in recognition time for common words after a few hours game use



Pre-Med
English,
KSU, 1986



But off-the-shelf games have problems

- No corpus, dictionary based
- Unadaptable to user content
- Extra hardware \$\$\$

Solution

Adapt an RT research tool that runs over WWW on mobile phone

Using common RT designs - such as lexical decision task

This one asks 'Are these real words?'

Records are kept when errors=0

lxtutor.ca/cgi-bin/rt/build.pl

Save as freq_fx[4].html

Results

NAME: ? ROUTINE: freq_fx[4]
Mean RT(secs)=0.7
Std_Dev=0.129
Errors=1 (3.57%)
+/- mean

(To put in Excel select 5 columns and paste)

Sat Oct 22 2022 11:38:48 GMT-0400 (Eastern Daylight Time)

GRP	ANS	ITEM	OK?	RT	+/-Mean
YES	Yes	statistic	ok	0.812	more
YES	Yes	scissors	ok	0.772	more
YES	Yes	scandal	ok	0.611	less
YES	Yes	sacred	ok	0.643	less
YES	Yes	puzzle	ok	0.689	less
YES	Yes	predict	ok	0.567	less
YES	Yes	precede	ok	0.884	more
YES	Yes	powder	ok	0.598	less
YES	Yes	locate	ok	0.905	more
YES	Yes	library	ok	0.547	less
YES	Yes	lesson	ok	0.713	more
YES	Yes	legal	ok	0.626	less
YES	Yes	afford	ok	0.614	less
YES	Yes	affact	ok	0.631	less

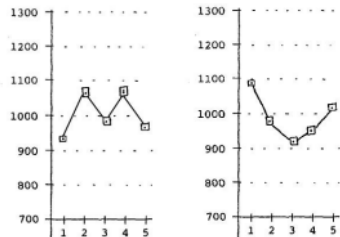
Solution

Adapt an RT research tool that runs on mobile phone

Or, using a design from the U-shape curve study:

“Are these words same or different?” →

From Ryan & Meara (1991)



Results

```
NAME: tom ROUTINE: same-diff_1
Mean RT(secs)=1.47
Std_Dev=0.211
Errors=2 (16.67%)
+/- mean
```

(To put in Excel select 5 columns and paste)

Fri Oct 21 2022 17:12:21 GMT-0400 (Eastern Daylight Ti

GRP	ANS	ITEM	OK?	RT	+/-Mean
YES	Yes	sufficient+sufficient	ok		1.543
YES	Yes	revolution+revolution	ok		1.401
YES	Yes	photograph+photograph	ok		1.005
YES	Yes	management+management	ok		1.461
YES	Yes	distribute+distribute	ok		1.407
YES	Yes	department+department	ok		1.474
NO	Yes	photograph+photogrph	x		1.825
NO	Yes	experiment+expriment	x		1.537
NO	No	sufficient+sufficint	ok		1.354
NO	No	revolution+revoltion	ok		1.509
NO	No	management+managment	ok		1.338
NO	No	automobile+autmobile	ok		1.781

And finally

DDL and responsible testing

Testing is about knowledge transfer to a novel context

- As noted, corpus is particularly transfer friendly
 - Provides numerous opportunities to practise transfer
 - RE-randomizations from the corpus
- Test must require only transferable knowledge
 - Transferrable from what was taught
 - How can this be guaranteed?
 1. Familiar task types
 2. Familiar vocabulary and grammar

Let's look just at vocab:

How can a test be tested to contain only words previously met? →

Software for ethical testing: Text-Lex Comparison

- Course Corpus is entered as the 'first' text
 - Exam Draft as 'second' text
- Output is percent of lexical overlap
 - Shared words / unique words x 100
- Since < 5% novel items can be inferred, minimum overlap is 95%
 - If inference had been part of the teaching
 - Therefore re-write until this is the case

Example from a recent in-house reading course in Canada →

- KSU-1980s must have been similar

First text: COURSE CORPUS (1504 families)

Second text

Home >> Text Lex Compare Input via 'back' (to keep inputs) or Direct >> Output

****EDITOR**** RAISE / LOWER RECYCLING INDEX (OR GET VISUAL FOR OWN WORDLIST IN A TEXT) [↑ Back](#)

Works best with smallish second/last text

Editor is easier to use without stoplists - NO STOPLISTS RUNNING

Token Recycling Index : 2464 shared / 7413 total = 33.24%

Token Coverage : 123 from 1st in 2nd / 168 total in 2nd = 73.21%

Types Recycling Index : 69 shared / 2137 total = 3.23%

Types Coverage : 69 from 1st in 2nd / 110 total in 2nd = 62.73%

EDITING FEATURE

Here is the complete 2nd text with **unshared items underlined** - EDIT THE 2nd TEXT to raise the recycling of items in previous text(s): by, where possible, removing or replacing new words with words that have already appeared in previous text(s) -- as reviewed (in families to save space) in the textareas on left. Click Recycle to view your progress

TYPES UNSHARED (=UNIQUE TO FIRST TEXT/S)

1958 words

,pde,bit,adippm able aboriginal abroad abundant abundantly accept access accessed accessible accomplished according account achievement across act action actively activism activities acts actually added addiction addresses adequately administers ads adulthood

Integrate ← appropriate forms of word families) from lists on left

2ND/LAST TEXT WITH **UNSHARED** TYPES

underlined



Recycle

To raise recycling, take out underlined words or rewrite with used words & Recycle

The Observer newspaper recently showed how easy it is, given a suitable story and a smattering of jargon, to obtain information by bluff from police computers. Computer freaks, whose hobby is

4.88%
) = 75.64%



Of course, ideally DDL work moves towards more and more *formative evaluation*

Ideally in collaborative setting

- Not mass summative testing, which better suits the rules-based grammar class



End Scenario 1

General ESL/EFL course

Scenario 2:

DDL for a domain-based ESL or ESP course

All of the foregoing,

- Vocab testing
- Text modification
- TTS work + Corpus grammar
- Fluency + intensive reading
- Ethical testing...
- *PLUS* a new corpus: domain texts divided by themes or units

Domain corpus will pose new vocab challenges

- Need for an explicit **list**
 - For 1. testing and 2. vocab supplement alongside reading
- However, making a list \neq borrowing Nation's list
 - List cannot be based only on frequency
 - High frequency item can be all from one text or course unit
 - We need to find word families that are both frequent plus occur across texts
- For this we need a software package called **Range**

Example –

‘medical’ corpus of Dr House TV series, all 8 seasons

- Input to Range as a zip file




Range output looks like this →
With 1+2k stopped
+ proper nouns stopped

See [bottom](#) for filenames, stoplists, offlist, profile, output filtering (freq x range), & Excel-copiable version of output at [bottom](#)

TITLE: [house.zip](#) **Post-Analysis=>**

INPUT FILES: 8 | FAMS: 4008 | CLASSIFIABLE TOKENS: 5,127 | STOPLISTS: k1_bncoca k2_bncoca + Proper nou

Click headings to sort  (In the table, **T1(25)** means text T1 has 25 occurrences of the word, etc)

000. Fams **Freq** **Range** VP **T1** **T2** **T3** T4 T5 T6 T7 T8

000.	Fams	Freq	Range	VP	T1	T2	T3	T4	T5	T6	T7	T8
101.	lung	123	8	4	T1(1)	T2(14)	T3(16)	T4(9)	T5(7)	T6(4)	T7(30)	T8(42)
111.	cancer	109	6	3	T1(2)	T2(20)	T3(14)	T4(6)	T5(59)			T8(8)
168.	symptom	64	8	3	T1(11)	T2(8)	T3(14)	T4(4)	T5(9)	T6(5)	T7(6)	T8(7)
173.	tumour	63	7	4	T1(16)	T2(24)	T3(4)	T4(2)	T5(7)	T6(3)		T8(7)
263.	hallucinate	38	7	8	T1(1)	T2(15)	T3(8)	T4(2)	T5(7)	T6(4)	T7(1)	
289.	confirm	34	7	3	T1(2)	T2(2)	T3(3)	T4(9)	T5(2)		T7(13)	T8(3)
309.	diagnosis	31	8	4	T1(15)	T2(3)	T3(1)	T4(1)	T5(4)	T6(1)	T7(2)	T8(4)
317.	scan	31	7	3	T1(4)	T2(3)	T3(12)	T4(5)	T5(5)	T6(1)		T8(1)
331.	patients	30	7	3	T1(10)	T2(2)	T3(2)		T5(3)	T6(5)	T7(6)	T8(2)
347.	transplant	28	5	4		T2(2)	T3(2)		T5(10)		T7(7)	T8(7)
405.	fluid	23	7	4	T1(3)	T2(4)	T3(8)		T5(2)	T6(2)	T7(1)	T8(3)
418.	pill	22	8	4	T1(3)	T2(1)	T3(2)	T4(6)	T5(1)	T6(6)	T7(1)	T8(2)
437.	theory	21	6	3	T1(1)	T2(3)	T3(2)	T4(5)	T5(7)			T8(3)
443.	neurosurgery	20	2	12		T2(2)					T7(18)	
452.	allergy	10	4	5	T1(2)			T4(12)		T6(1)		T8(4)
468.	terror											
477.	negative										T7(2)	T8(5)
493.	function										T7(4)	
498.	seizure										T7(9)	
505.	collapse											T8(4)
514.	steroid										T7(2)	T8(1)
516.	abnormal											T8(1)
522.	contrast											
530.	disorder	15	4	3	T1(1)		T3(11)				T7(2)	T8(1)
542.	surgeon	15	6	4		T2(8)	T3(2)	T4(2)	T5(1)		T7(1)	T8(1)

OUTPUT FILTER

Extract data by Frequency >= and Range >=

Format: [As above Words only]

Build Frequency- and Range-based word lists; check corpus coverage at

	FAM	FREQ	RANGE
110.	cancer	109	6
167.	symptom	64	8
172.	tumour	63	7
262.	hallucinate	38	7
288.	confirm	34	7
308.	diagnosis	31	8
316.	scan	31	7
330.	patients	30	7
346.	transplant	28	5
404.	fluid	23	7
417.	pill	22	8
436.	theory	21	6
451.	allergy	19	4
476.	negative	18	6
492.	function	17	6
497.	seizure	17	6
513.	steroid	16	5
515.	abnormal	15	6
521.	contrast	15	4
529.	disorder	15	4
541.	surgeon	15	6
546.	urine	15	7
554.	biopsy	14	7
574.	procedure	14	6
582.	abdomen	13	4
584.	antibiotic	13	6
593.	cane	13	5
594.	chart	13	4
601.	fake	13	5
606.	inflamm	13	4
607.	lesion	13	4
616.	sane	13	6

631.	consent	12	4
644.	immune	12	6
645.	jerk	12	5
648.	medication	12	5
650.	metaphor	12	5
655.	proof	12	6
656.	rape	12	4
659.	solve	12	5
665.	approve	11	5
667.	arrhythmic	11	4
674.	consult	11	5
678.	diagnose	11	5
679.	differential	11	4
682.	false	11	4
686.	joint	11	5
688.	lobe	11	4
693.	miserable	11	6
698.	pulmonary	11	6
709.	structure	11	4
711.	suicide	11	5
712.	tissue	11	4
717.	abuse	10	6
720.	analyse	10	4
733.	delude	10	4
735.	elevate	10	4
739.	failure	10	5
750.	radiate	10	4
752.	response	10	5
760.	therapy	10	4
769.	cardiac	9	4
776.	code	9	4
777.	coincide	9	4
802.	pants	9	5
808.	psychiatry	9	4
809.	pulse	9	6

811.	relevant	9	4	3
818.	severe	9	5	3
826.	sweat	9	4	3
827.	toxin	9	6	6
837.	assign	8	5	3
838.	autopsy	8	4	8
862.	focus	8	5	3
863.	genetic	8	5	3
871.	irony	8	6	3
890.	respond	8	4	3
902.	technical	8	5	3

JUST < 100 WORDS PRE-MED Ss
ARE GOING TO MEET OVER AND
OVER IN THESE MATERIALS

ADJUST PARAMS FOR LARGER OR
SMALLER

NOW WHAT IS NEEDED IS A
PEDAGOGY TO DELIVER THESE
WORDS

IN A VOCAB FOCUS COURSE TO
ACCOMPANY THE USUAL READING
ACTIVITIES

TWO STEPS

- **FIRST** Are Ss ready for the specialist list?
- Average k-level of Dr House list = 4
 - SD=1.63
 - Thus k=2 to k=6
 - Test Ss with a Levels type test as before
- Ss who know fewer than 3,000 words of General English will need remediation to reach 3k
 - Use procedures already described
- REF Hwang & Nation

	A	B	C	D	E	F	
73	837	assign	8	5	3	T1(1)	T2(
74	838	autopsy	8	4	8		T2(
75	862	focus	8	5	3	T1(2)	
76	863	genetic	8	5	3	T1(3)	T2(
77	871	irony	8	6	3	T1(1)	T2(
78	890	respond	8	4	3	T1(2)	
79	902	technical	8	5	3		T2(
80			FREQ	RANGE	VP		
81							
82					4.03	AV	
83					1.63	SD	
84							

SECOND

When ready, Ss build a glossary of the Core Lexicon (about four weeks)

- Then incorporate the rest from their reading

How?

Using these DDL tools

(1) the specialist corpus and

(2) an ***Interactive Database***

- ... *collaboratively*

(Recall  - the need for collaborative software for the 'learner as lexicographer' project)

Here it is →

<p><u>EMPLOY</u></p> <p>يستخدم</p> <p>They EMPLOY a consultant engineer to design it and prepare all the plans.</p>	<p><u>ENGAGED</u></p> <p>(١) خاطيب / (٢) مشغول</p> <p>Then the monster attacks and kills not only Frankenstein's friend but also his brother and the woman his brother is ENGAGED to, his brother's fiance Elizabeth.</p> <p>If you want to phone someone, it's often impossible because they're ENGAGED all the time.</p>
<p><u>EMPLOYEE</u></p> <p>مستخدم / اجير</p> <p>The manager began to hire new EMPLOYEES who could put the idea into action.</p>	<p><u>ENGINE</u></p> <p>محرك / ماكينة</p> <p>The ENGINES started to roar, the plane started to shake, and after a bumpy off we were suddenly up in the air above the water.</p>
<p><u>ENCOURAGE</u></p> <p>شجع</p> <p>They ENCOURAGED women to break the law.</p>	<p><u>ESCAPE</u></p> <p>لقت من / يهرب</p> <p>The thieves managed to get in and ESCAPE without setting off the security alarm by cutting off the electricity supply.</p>
<p><u>ENEMY</u></p> <p>خصم / عدو</p> <p>His main ENEMY was the Sheriff of Nottingham, who was always trying to capture Robin but never managed to do it.</p>	



Home

>Group Lex

v.8.4

- V. GROUP
- + LEX
- + Demo (en)

OS=Win
BROWSER=Chr
PHP 7.3.33

V.Mobile
pad/phone

Go v.French

COMPUTER
See all
2372 Words

Add Entry

Add Stude...

Edit Entries

Need Your
Own Gp Lex?
Write Tom

Get list+VP

Any
research
on this?

Speak the
selection

4	<input type="checkbox"/>	virus	3	They are trying to stop the spread of the flu virus .	N	A very small living thing that causes infectious illnesses	Arts	Giovann:
5	<input type="checkbox"/>	drug	1	The big drug companies make huge profits.	N	a medicine, or a substance for making medicines	Arts	Giovann:
6	<input type="checkbox"/>	penicillin	9	Since the discovery of penicillin , the treatment of syphilis has been revolutionized.	N	a type of medicine that is used to treat infections caused by bacteria	Arts	Giovann:
7	<input type="checkbox"/>	antibiotic	5	Thirteen strains were resistant to three or more antibiotics .	N	a drug that is used to kill bacteria and cure infections.	Arts	Giovann:
8	<input type="checkbox"/>	vaccine	5	Doctors worried that there would not be enough vaccine for everyone who needed it.	N	a substance which contains a weak form of the bacteria or virus that causes a disease and is used to protect people from that disease	Arts	Giovann:
9	<input type="checkbox"/>	fall	1	leaves of any colors were all over the place during fall	N	the season of the year that comes after summer and before winter -	Comm	faby1
10	<input type="checkbox"/>	résumé		she handed over her résumé and waited.	N	a brief written account of educational and professional qualifications and experience	Comm	faby1
11	<input type="checkbox"/>	recess	6	let's have a short recess between classes	N	a temporary withdrawal from or stopping of the usual work or activity - - a break.	Comm	faby1
12	<input type="checkbox"/>	downtown		let's go downtown to do some shopping	N	of, pertaining to, or situated in the main business section of a city. -	Comm	faby1
13	<input type="checkbox"/>	atm		if you need cash you can draw it from an ATM	N	automated-teller machine.	Comm	faby1
14	<input type="checkbox"/>	highway	3	from a big town to another better get the highway to avoid local traffic	N	a main road, esp. one between towns or cities.	Comm	faby1
15	<input type="checkbox"/>	fall	1	leaves fall during fall	N	third season in a year	Comm	faby1

Lexical Entry Form

NEW WORD	EXAMPLE	WORD CLASS	DEFINITION	GR
<input type="text" value="symptom"/>	He had every symptom you'd expect of as drug addict	NOUN	sign of disease (مرض) عَرَض	Arts
Max 25 characters	Max 140 chars., 89 left		Max 140 chars., 113 left	

Dictionary for word in first box >>

Choose from nine: Eng_Arab

Get

الإجليزية-العربية

Type Arabic characters with a virtual keyboard.

symptom

LISTEN: UK

(simp'təm), /'sɪmptəm/ | :UK:*

WR Reverse (1)

WordReference English-Arabic Dictionary © 2022:

ترجمات رئيسية

العربية

عَرَض (مرض) (sign of disease)

Be sure to describe all of your symptoms to the doctor.

احرص أن تصف للطبيب كل أعراضك.

(indicator)

#	Qz	WORD	VP	EXAMPLE	POS	DEFINITION	GRP	STUDENT NAME	TIME
1	<input type="checkbox"/>	symptom	3	He had every symptom you'd expect of a drug addict	N	sign of disease - (لمرض) عرض	Arts	musta_k	2022.10.27 11:34
2	<input type="checkbox"/>	trip	1	The boat trip down the Amazon was great.	N	an occasion when you go somewhere and come back again	Arts	faby1	2022.10.06 12:04
3	<input type="checkbox"/>	cantanke...	14	a cantankerous mule	ADJ	difficult or irritating to deal with	Comm	frauclaud..	2022.07.11 10:25
4	<input type="checkbox"/>	automati...	5	• Some say automation is the main culprit	N	the use of computers and machines instead of people to do a job	Arts	Fraunto	2022.07.11 10:24
5	<input type="checkbox"/>	virus	3	They are trying to stop the spread of the flu virus .	N	A very small living thing that causes infectious illnesses	Arts	Giovanna..	2022.07.11 07:11
6	<input type="checkbox"/>	drug	1	The big drug companies make huge profits.	N	a medicine, or a substance for making medicines	Arts	Giovanna..	2022.07.11 07:09

Or by mobile

Koodo Wi-Fi 4:29 PM 100%

Group Lex M

«DEMO»

WORD	Example	POS	Meaning	GROUP	NA
1 arthritis	Arthritis is of two types, osteoarthritis and rheumatoid	N	Problem of the joints, usually fingers or knees	Arts	mus
2 symptom	He had every SYMPTOM you'd expect of a drug addict	N	sign of disease - ((ترس)) عرض	Arts	mus
3 trip	The boat trip down the Amazon was great	N	an occasion when you go somewhere and come back again	Arts	faby
4 cantankerous	a cantankerous mule	ADJ	difficult or irritating to deal with	Comm	frau
5 automation	Some say automation is the main culprit	N	the use of computers and machines instead of people to do a job	Arts	Frau
6 virus	They are trying to stop the spread of the flu virus.	N	A very small living thing that causes infectious illnesses	Arts	Giov
7 drug	The big drug companies make huge profits.	N	a medicine, or a substance for making medicines	Arts	Giov
8 penicillin	Since the discovery of penicillin, the treatment of syphilis has been revolutionized.	N	a type of medicine that is used to treat infections caused by bacteria	Arts	Giov
9 antibiotic	Thirteen strains were resistant to three or more antibiotics.	N	a drug that is used to kill bacteria and cure infections.	Arts	Giov
10 vaccine	Doctors worried that there would not be enough vaccine for everyone who needed it.	N	a substance which contains a weak form of the bacteria or virus that causes a disease and is used to protect people from that disease	Arts	Giov

lex tutor.ca

Koodo Wi-Fi 4:30 PM 99%

Group Lex M

ADD ENTRY

Name

Start typing...

Group

New Word: Max 20

Example: Max 300

Word class

Meaning: Max 300

Add to Group Lex Now >

lex tutor.ca

... Ss practice for weekly quiz with this

ex

< ALL AA GP LEX **QUIZ 1 - contexts from AA GP LEX 27 Oct 22** Quiz 2 - m

Check Questions: OK: Tries: %: His

Chr

	NEW WORD	EXAMPLE	WORD CLASS	D
1		Thirteen strains were resistant to three or more <input type="text"/> s.	N	a drug that is used to kill bacteria
2		Since the discovery of <input type="text"/> , the treatment of syphilis has been revolutionized.	N	a type of medicine that is used to
3		He had every <input type="text"/> you'd expect of a drug addict	N	sign of disease - (لمرض) عَرَض
4		Doctors worried <input type="text"/> would not be enough for <input type="text"/> who needed it.	N	a substance which contains a weak a disease and is used to protect p
5		The big <input type="text"/> <input type="text"/> companies make huge profits.	N	a medicine, or a substance for me
6		They are trying <input type="text"/> the spread of the flu	N	A very small living thing that caus

antibiotic
drug
penicillin
symptom
vaccine
virus

ex?

... then the weekly or final paper quiz is either a variant of what they have practised ('near transfer')

	NEW WORD	Fill the gap in the example	WORD CLASS	DEFINITION
1		Doctors worried that there would not be enough _____ for everyone who needed it.	N	a substance which contains a weak form of the bacteria or virus that causes a disease and is used to protect people from that disease
2		He had every _____ you'd expect of a drug addict	N	sign of disease - (عَرَضٌ المرض)

	NEW WORD	Supply the defined word	WORD CLASS	DEFINITION
1			N	a substance which contains a weak form of the bacteria or virus that causes a disease and is used to protect people from that disease
2			N	sign of disease - (عَرَضٌ المرض)

	NEW WORD	Match word to definition	WORD CLASS	DEFINITION
1		antibiotic	N	a substance which contains a weak form of the bacteria or virus that causes a disease and is used to protect people from that disease
2		bacterium	N	sign of disease - (عَرَضٌ المرض)
3		drug	N	A very small living thing that causes infectious illnesses
4		penicillin	N	a type of medicine that is used to treat infections caused by bacteria
5		symptom	N	a medicine, or a substance for making medicines
6		virus	N	a drug that is used to kill bacteria and cure infections.
		antibiotic	N	

Or a
connected
passage
focused on
target words

(‘far transfer’)

- For meaning
- For morphology
- For multiword units

The image shows three overlapping text boxes, each containing a snippet of text from a document titled "VIRUSES AND BACTERIA". The text is in a dark red font. The boxes are semi-transparent, allowing the text from the boxes behind them to be visible. The text in the boxes is partially obscured by white rectangular redaction boxes. A vertical black line is positioned between the middle and right boxes. In the bottom right corner, there is a list of words in an orange box, with "bacterial resistance" highlighted in blue.

VIRUSES AND BACTERIA

This complicated question, which should be answered by your healthcare provider, depends on the specific diagnosis. For example, there are several types of [redacted] - most need antibiotics, but some do not. Most cases of sore throat are caused by viruses. One kind, strep throat, diagnosed by a [redacted], needs antibiotics.

Common [redacted], like coughs or a cold, can sometimes become complicated and a [redacted] can develop. However, treating viral infections with antibiotics in order to prevent bacterial infections is not recommended because of the risk of causing [redacted]:

Remember that antibiotics do not work against [redacted] the flu, and unnecessary antibiotics can be harmful.

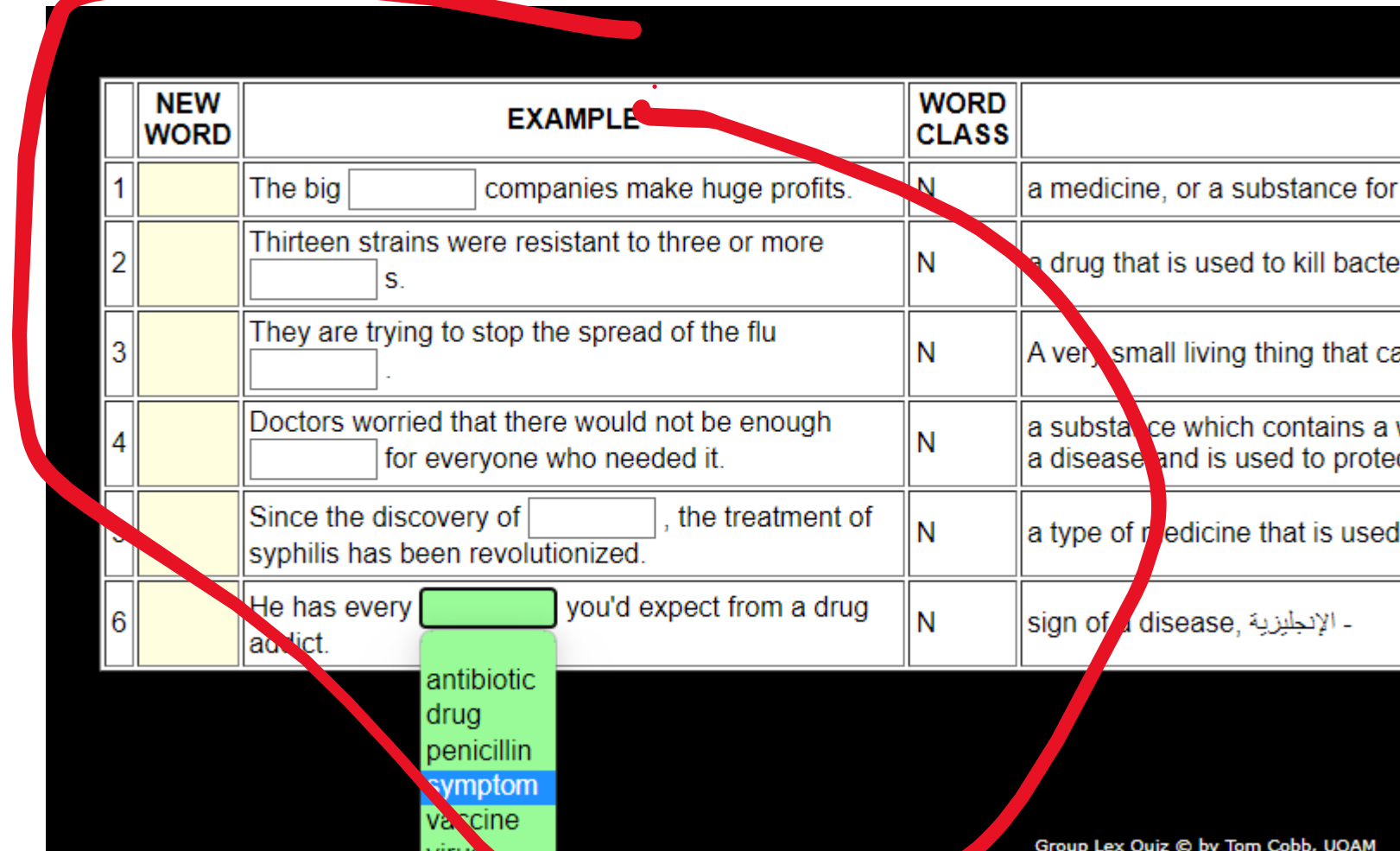
Talk with your healthcare provider about antibiotics [redacted] about the differences between viruses and bacteria, and when antibiotics should and should not be used.

bacterial infection
bacterial resistance
ear infections
lab test
viral infections

Gp Lex has elements of 'social media'

- Users show unexpected interest in doing quizzes with their classmates' words & examples (Oman and elsewhere)
 - Discussions overheard ~
 - "That is not the correct definition for this use of the word..."
 - "Your example does not make the word's meaning clear..."
 - "This is a verb not a noun"

But where do the 'comprehensible examples' for Group Lex come from?



	NEW WORD	EXAMPLE	WORD CLASS	
1		The big <input type="text"/> companies make huge profits.	N	a medicine, or a substance for r
2		Thirteen strains were resistant to three or more <input type="text"/> s.	N	a drug that is used to kill bacter
3		They are trying to stop the spread of the flu <input type="text"/> .	N	A very small living thing that cau
4		Doctors worried that there would not be enough <input type="text"/> for everyone who needed it.	N	a substance which contains a w a disease and is used to protec
5		Since the discovery of <input type="text"/> , the treatment of syphilis has been revolutionized.	N	a type of medicine that is used t
6		He has every <input type="text"/> you'd expect from a drug addict.	N	sign of a disease, الإنجليزية -

- antibiotic
- drug
- penicillin
- symptom
- vaccine
- virus

Group Lex Quiz © by Tom Cobb, UOAM



Larger context for SYMPTOM [Get more](#)
 in Corpus house/season_2.txt

I knew I was forgetting something. You should do one of those while you're running the labs and the tox screen.

The labs show Valium and heroin in her urine. A supermodel on smack. Shocker. Oh, Alex, I expected so much more from you. Heroin chic is so five years ago.

Okay, let's start crossing out withdrawal SYMPTOMS. A positive test means she tried it once. It doesn't mean she's an addict. She's only 15. There's no age limit on addiction. He's right. She's never menstruated.

Sounds like a SYMPTOM of drug addiction to me. Or bulimia. Or her age. Some girls don't start till their mid-to-late teens. Evidence to the contrary, the rounded hips. The perfectly-sculpted, bountiful breasts. Implants. I've seen some of her photos. They've grown dramatically since last summer. **SYMPTOMATIC of turning 14.** Two clinic hours says that those "love apples" are

put ([« Back](#) keeps original settings) [Copiable extract-link to this data >](#)

ictionary/TTS **Eng_Eng**

]

SORT VP ASSOC ON L|R FOR 25,000 L

rent SYMPTOM, a different diagnosis. Different [1.00]
 's a SYMPTOM. It means the condition predates [1.00]
 ous SYMPTOM, you know? We'll know more after [1.00]
 's a SYMPTOM? Okay. So, what could cause obs [1.00]
 cond SYMPTOM. Yeah, yeah, kid's in V-tach. [1.00]
 arly SYMPTOM of MS. No. MRI showed no white m [1.00]
 's a SYMPTOM? Well, why would you think The b [1.00]
 me a SYMPTOM that's not killing her. What els [1.00]
 the SYMPTOM. I'm wrong all the lime. Taking [1.00]
 urth SYMPTOM "being completely crazy." One [1.00]

So ~

We could go on, but perhaps the point is made

“DDL and the Arabic speaking learner is a particularly good match”

- Culture schemas are much reduced
- Meta-language is much reduced
- Vocab problem is met head on
- Contextual skills of L1 are exploited in concordance format
- Word perception issue from L1 is tackled (RT work)
- Speech-writing matches are assured (TTS work)
- Collaboration is built into the program
- Several choices are left to learners
- Transfer is targeted, not hit and miss
- Computers, phones, and social media are known motivators
- Guess-work in testing is eliminated or reduced
- Some drudgery is removed from teaching (quizzes, writing feedback) freeing up teachers for interaction
- All tests can be practiced in advance & to the extent desired
- Lextutor & related software is free & well supported (AntConc, Antprofiler)
- Most of these ideas have research support

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