

NLP Task 3.3

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Explore COCA

Demonstrate any 3 out of 5 features.

1. Find frequency count of a word.

The screenshot shows the COCA website interface. The top navigation bar includes 'SEARCH', 'FREQUENCY', 'CONTEXT', and 'ACCOUNT'. The 'SEARCH' tab is active. On the left, there is a search form with a text input containing 'John', a '[POS]?' dropdown, and buttons for 'Find matching strings' and 'Reset'. Below the form are links for 'Sections', 'Texts/Virtual', 'Sort/Limit', and 'Options'. On the right, there is a sidebar with a '(HIDE HELP)' button, a 'NO LICENSE' warning, and a green button to 'Download the corpus (and corpus-based frequency data) for offline use'. Below this are links for 'PDF overview' and 'Five minute tour'. The main content area on the right contains text about the COCA corpus, its size (one billion words), and its sources (spoken, fiction, popular magazines, newspapers, academic texts, TV, and movies subtitles, blogs, and other web pages). It also mentions that the corpus is optimized for speed and searches for substrings and phrases.

The screenshot shows the COCA website interface with the 'FREQUENCY' tab active. The top navigation bar includes 'SEARCH', 'FREQUENCY', 'CONTEXT', and 'ACCOUNT'. Below the navigation bar, there is a section for 'ON CLICK:' with links for 'CONTEXT', 'TRANSLATE (??)', 'ENTIRE PAGE', 'GOOGLE', 'IMAGE', 'PRON/VIDEO', and 'BOOK (HELP)'. Below this is a table with the following data:

HELP	①	★	ALL FORMS (SAMPLE): 100 200 500	FREQ	
1	①	★	JOHN	259165	

At the bottom right of the table, there is a progress bar and the text '0.258 seconds'.

2. Chart- word- frequency; section; sub-section; year

Corpus of Contemporary American English

SEARCH
FREQUENCY
CONTEXT
ACCOUNT

List
Chart
Word Browse +

[POS]?

See frequency by section
Reset

☐ Sections Texts/Virtual Sort/Limit Options

(HIDE HELP)

NO LICENSE

CHART display

If you are interested in a set of words or a grammatical construction, then the **LIST** option shows the frequency of each matching form (*end up being*, *ended up saying*, etc), while the **CHART** option shows the total frequency in each section. (in COCA, the genres and five year blocks). It is also possible to see the frequency of words and phrases by sub-genre and/or year, e.g. *laptop*, or *fake news*.

For example, some cases of lexical change over time: *morph*, *old school*, *freak out*, *think outside the box*, *throw someone under the bus*, *be likely a* the.

Some cases of lexical variation between genres: *I guess*, *you know*, *muffled*, *frowned*, *validity*, *correlate*, *in particular*, *a lot of*, *kind of* NOUN, *type of* NOUN.

Of course you can also search for grammatical constructions, such as : *and I'm like*, *get passive*, *end up V-ing*, *be passive*, *appear to V*, *must + verb*.

Corpus of Contemporary American English

SEARCH
CHART
CONTEXT
ACCOUNT

CLICK TO SEE CONTEXT

SECTION	ALL	BLOG	WEB	TV/M	SPOK	FIC	MAG	NEWS	ACAD	1990-94	1995-99	2000-04	2005-09	2010-14	2015-19
FREQ	259163	21966	29313	22876	62404	18973	36237	47026	20368	34247	37734	40009	35349	29957	30588
WORDS (M)	993	128.6	124.3	128.1	126.1	118.3	126.1	121.7	119.8	121.1	125.2	124.6	123.1	123.3	122.8
PER MIL	260.98	170.79	235.91	178.61	494.74	160.35	287.39	386.28	170.03	282.78	301.36	321.04	287.27	242.86	249.19
SEE ALL SUB-SECTIONS AT ONCE															

SECTION	News/Opin	Financial	Sci/Tech	Soc/Arts	Religion	Sports	Entertain	Home/Health	Afric-Amer	Children	Women/Men
FREQ	9654	2184	2497	3497	3477	3613	3594	4333	1017	473	2032
WORDS (M)	27.7	7.2	18.6	9.3	5.6	14.1	7.7	20.7	4.3	2.4	8.5
PER MIL	348.81	304.10	134.11	375.07	626.07	255.85	465.67	209.34	238.48	195.41	238.69
CLICK FOR CONTEXT											

SECTION: MAG:Religion (3,477)
FIND SAMPLE: 100 200 500 1000
PAGE: << < 1 / 35 > >>

CLICK FOR MORE CONTEXT				HELP	SAVE	TRANSLATE	ANALYZE
1	1992	MAG	America	Q			
2	1992	MAG	America	Q			
3	1992	MAG	America	Q			
4	1992	MAG	America	Q			
5	1992	MAG	America	Q			
6	1992	MAG	America	Q			
7	1992	MAG	America	Q			
8	1992	MAG	America	Q			
9	1992	MAG	America	Q			
10	1992	MAG	America	Q			
11	1992	MAG	America	Q			
12	1992	MAG	America	Q			
13	1992	MAG	America	Q			
14	1992	MAG	America	Q			
15	1992	MAG	America	Q			
16	1992	MAG	America	Q			
17	1992	MAG	America	Q			
18	1992	MAG	America	Q			
19	1992	MAG	America	Q			
20	1992	MAG	America	Q			
21	1992	MAG	America	Q			

3. Collocate -Display three collocations on the left and right of the word.

Corpus of Contemporary American English

SEARCH
WORD
CONTEXT
ACCOUNT

Easter

(NOUN)

#6494

BLOG

WEB

TV/M

SPOK

FIC

MAG

NEWS

ACAD

1. a wind from the east

D M O C G E

YouGlish

PlayPhrase

Yarn

Translate: choose language

SYNONYMS

CONCEPT

NEW: DEFIN +SPEC +GENL

TOPICS (more)

egg, hunt, bunny, church, worship, congregation, holy, resurrection, decorate, cross, christian, holiday, catholic, faithful, catholic, biblical, celebration, scripture, theological, christian

COLLOCATES (more)

NOUN

egg, sunday, bunny, christmas, hunt, service, morning, weekend

VERB

celebrate, rise, hide, hunt, seal, host, color, decorate

ADJ

happy, annual, holy, greek, orthodox, celebrated, hidden, colored

ADV

am, pm, ie, outdoors, real, thereabouts, mortally, memorably

CLUSTERS (more)

Easter •	easter bunny • easter egg • easter eggs • easter weekend • easter morning • easter vigil • easter parade • easter dinner
• Easter	on easter • for easter • at easter • happy easter • before easter • after easter • to easter • with easter
Easter ••	easter egg hunt • easter egg roll • easter maypole in • easter and christmas • easter egg hunts • easter sunrise service • easter eggs in • easter egg in
•• Easter	christmas and easter • with the easter • for the easter • in the easter • it was easter • during the easter • to the easter • like an easter
Easter •••	easter egg hunt at • easter egg hunt for • easter eggs you might • easter egg hunt in • easter egg roll in • easter or christmas day • easter day with you • easter egg roll on
••• Easter	would be the easter • at christmas and easter • believe in the easter • in time for easter • will have an easter • on christmas and easter • leading up to easter • pictures with the easter

SEARCHWORDCONTEXTACCOUNT

MAG:Smithsonian • NEWS:Houston • NEWS:Atlanta • MOV:Hop • NEWS:Atlanta • ACAD:AnthropolQ • NEWS:Houston • MOV:RunawayJury • NEWS:Chicago • NEWS:Houston • BLOG:flickr.com • TV:South Park • TV:Queen • NEWS:Atlanta • NEWS:WashPost • NEWS:WashPost • BLOG:peasandthankyou.com • SPOK:NBC_Today • ACAD:TheologStud • MAG:ChildLife • WEB:...iberal1.blogspot.com • WEB:deepcapture.com • WEB:...ristianity.about.com • BLOG:holidays-tip.com • MAG:ChildLife •

CONCORDANCE LINES (more)

1	NEWS: 2003: Atlanta	Patterson-Brown and Lucille Monroe , Pages 25 and 37 ; Audrey Easter and Gail Berry , Pages 45 and 85 ; and Olufemi Elom
2	BLOG: 2012: ...wsdown.wordpress....	person of Jesus Christ . In our international declarations of Easter and Pentecost we confess that God 's own self in human
3	SPOK: 2008: NBC_Today	is a children 's Easter basket and it 's a garden Easter basket . So here , they 've got a little bit of
4	SPOK: 2008: NBC_Today	All right , Lester . Thanks very much . What would Easter be without a little a friendly competition ? Robyn Moreno is the
5	WEB: 2012: gonyc.about.com	ideal place to see the parade . The Easter Parade and Easter Bonnet Festival runs from 10 a.m. until 4 p.m . # What
6	WEB: 2012: gonyc.about.com	. # What You Should Know About the Easter Parade and Easter Bonnet Festival Unlike most New York City Parades , the Easter
7	WEB: 2012: gonyc.about.com	for a bit during the festivities , but seeing the parade Easter bonnets and costumed pets is probably only worth a short visit .
8	WEB: 2012: gonyc.about.com	traffic , and folks wander the street admiring various Easter Bonnets and Easter outfits . Visitors in town during Easter will
9	WEB: 2012: gonyc.about.com	April 8 , 2012) you have the opportunity to see Easter bonnets to the New York City extreme as " paraders " wander
10	FIC: 1993: Americas	the pairs were definitely missing . On Friday morning during Easter break followed Uncle John when he left the house .
11	MOV: 1999: The Thirteenth Year	? ' Cause i 'm playing poker with bigfoot and the easter bunny and elvis . Really good . Ah , maybe i got
12	BLOG: 2012: theblaze.com	and apple pie do n't represent American values anymore than the Easter Bunny and Santa Clause represent Christian values . These
13	NEWS: 2006: Atlanta	those who believe the bunny at Perimeter Mall should remain the Easter Bunny rather than the Spring Bunny . First , more people
14	NEWS: 2003: Atlanta	shaped , rhinestone-studded brim . # Actually , Easter confides she wears the hat backward . The rhinestone section is
15	NEWS: 2016: The Detroit News	Invasion and shooting that killed A'na'ya Montgomery , 3 , on Easter Day (Photo : Clarence Tabb Jr / Detroit News)
16	BLOG: 2012: ...egamerschallenge....	on a radio somewhere on the island , making a new easter egg for fans to find . Speaking of easter eggs ...
17	NEWS: 2006: Chicago	. # " Our Easters were elaborate productions with these egg Easter Egg hunts out in the woods , and it was always ,
18	BLOG: 2012: ...istrue.wordpress....	the stories of the Greek gods to the zodiac horoscope to Easter egg hunts . You yourself enjoyed the stories your Navajo friend
19	MAG: 2019: Slate Magazine	bed , engraved with my college insignia , remained an Easter egg to my close friends that this was in fact our house
20	NEWS: 2018: Detroit Free Press	around new vehicles . # Ford snuck the first two Ranger eggs into photos It posted online when the pickup debuted at the
21	NEWS: 2018: Detroit Free Press	-- critters including a Jackalope and dinosaurs are among the Easter eggs Ford has hidden in photos that show Ranger owners fishing
22	SPOK: 2008: NBC_Today	there 's too much candy , they 're still hunting for Easter eggs like 9:00 at night , going more eggs , more
23	BLOG: 2012: ...egamerschallenge....	one thing I love about open world games , it 's easter eggs From referential quest titles to Pac-Man in all his cheese