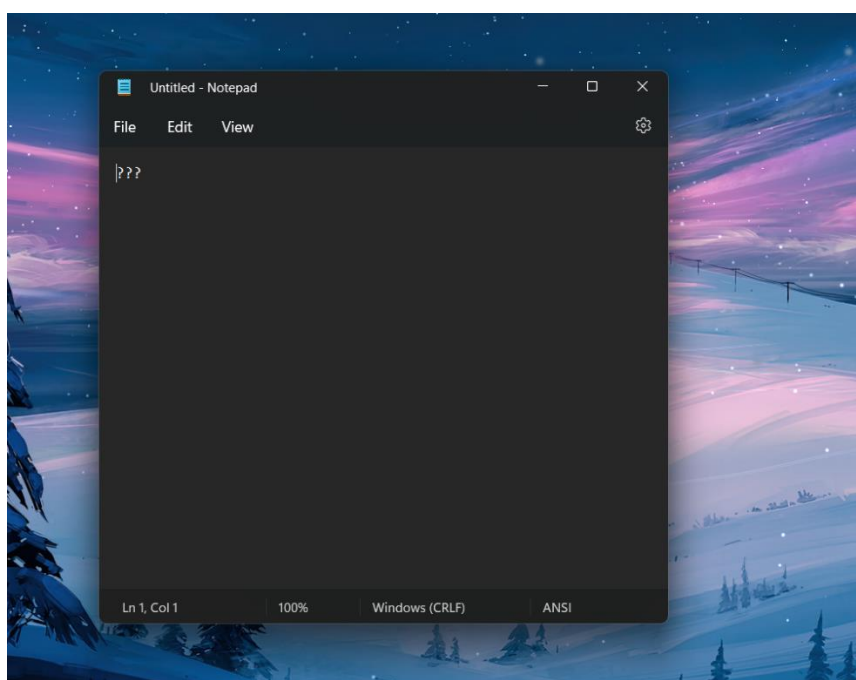
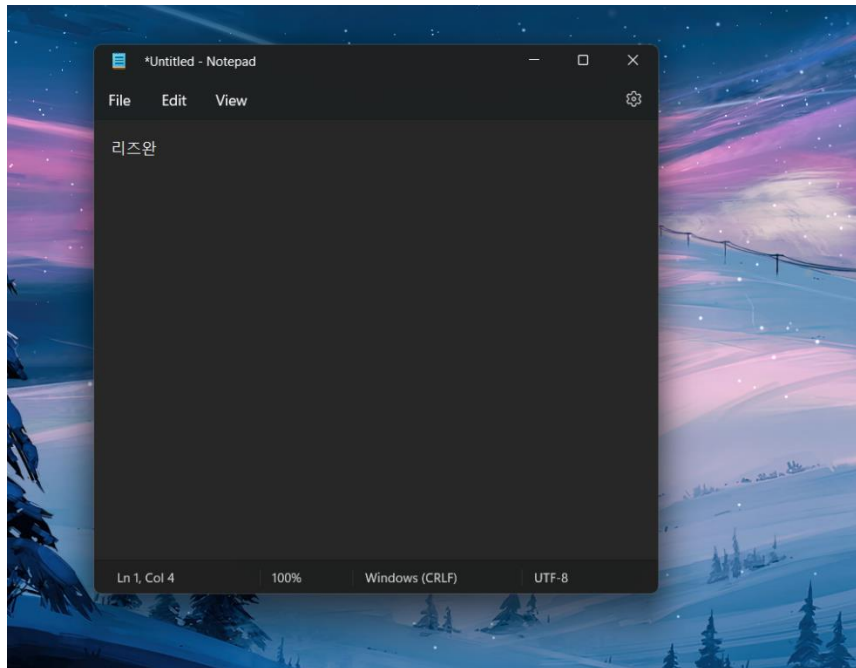


Rizwan Hussain

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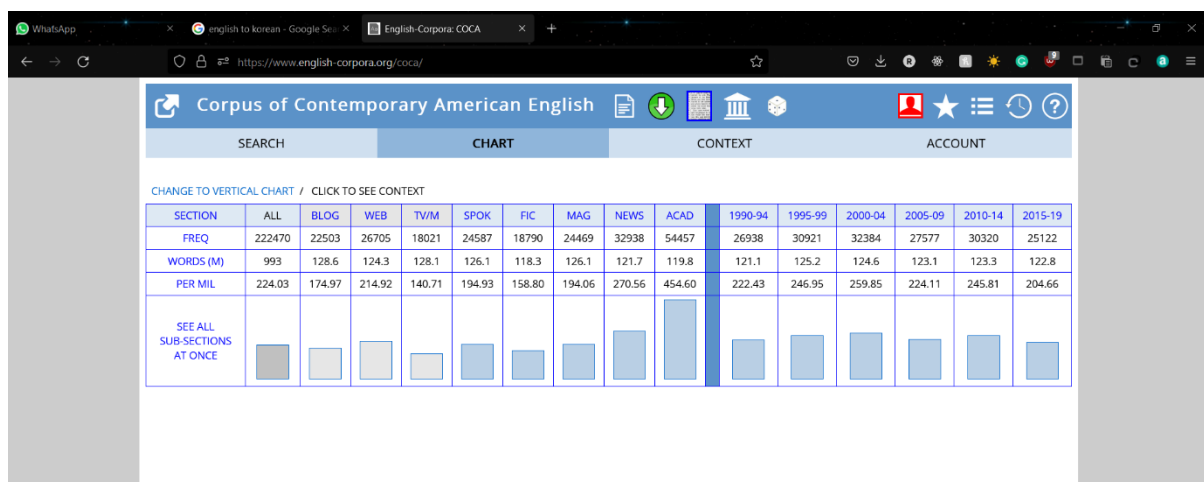
Tasks 1-5

1. Task- 1: Encoding



2. Task- 2: COCA and Concordance

Word searched: Music



From the above data and frequency graphs, we can tell that music is something that people have been talking about a lot since the 1990's.

The frequency increased for a while up until 2004 as at the time a lot of new music was coming into the scene. There was the introduction of the revolutionary "electronic music". A prominent presence from Daft Punk had shifted a lot of waves and more and more people were getting into music because of their style and genre. They had released their second album during 2001 which made a lot of people talk about music and the impact that electronic music could have in music. A lot of analog "synths" and such were being introduced and popularized in the music scene.

Then again there was a dip in the frequency in the 2005-2009 era due to a lot of the music becoming repetitive and stale but since music is something that is always changing and being revolutionized it picked back up soon.

Concordance

WhatsApp

english to korean - Google Ser

English-Corpora: COCA

+

← → ↺

🔒

https://www.english-corpora.org/coca/

☆

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🔍 ⭐ ⋮ ⌚ ?

SEARCHCHARTCONTEXTACCOUNT

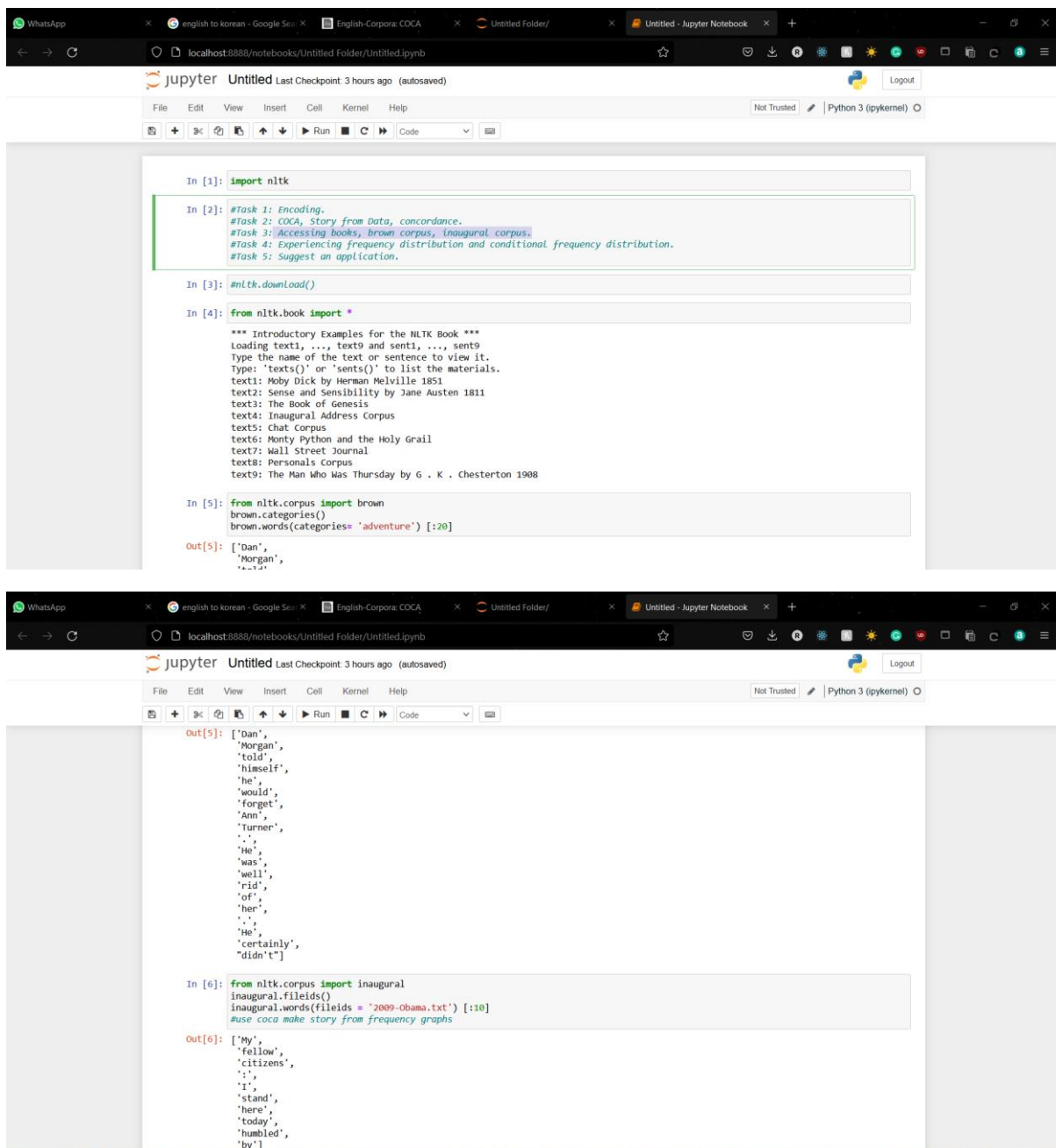
SECTION: 2000-2004 (32,384)
FIND SAMPLE: 100 200 500 1000
PAGE: << < 1 / 324 > >>

🔍 CLICK FOR MORE CONTEXT

HELP 📄 SAVE 🌐 TRANSLATE 📄 ANALYZE

| | | | | | |
|----|------|----|-------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 2004 | TV | Medical Investigation | 🔍 🗨️ 🔍 | the blues are sad. It's contemplative. Also happens to be the best music to suture by. And that... does it. She's gon na be |
| 2 | 2004 | TV | Queer as Folk | 🔍 🗨️ 🔍 | crap. Now, now, dear. Mustn't criticize the younger generation's music . Yeah. Not bad. Come on, you big lug, waltz me |
| 3 | 2004 | TV | Queer as Folk | 🔍 🗨️ 🔍 | go on in your house. Let me guess: " The Sing-a-Long Sound of Music . " It was a benefit for paediatric aids. I bet you worked up |
| 4 | 2004 | TV | Queer as Folk | 🔍 🗨️ 🔍 | , I'm not really in the mood for men, or muscles, or music . I'd rather stay here, get shit-faced. Well, you passed shit-faced |
| 5 | 2004 | TV | Queer as Folk | 🔍 🗨️ 🔍 | only, don't be a man about it. Be a queen. Mood music . Yeah. And... oh, Here, it's, uh... it |
| 6 | 2004 | TV | Law & Order: Special... | 🔍 🗨️ 🔍 | ... they keep the basement dark, there's, uh, there's loud music . I'm... I'm sorry. L... I got a midterm. |
| 7 | 2004 | TV | Cold Case | 🔍 🗨️ 🔍 | should we know? Benny was an open book before he started playing that so-called music . After, he shut us out. He knew we disapproved. Why should |
| 8 | 2004 | TV | Law & Order: Special... | 🔍 🗨️ 🔍 | n't want to sound prejudiced, but it sounds like voodoo to me. Loud music , drums beating. I know people have their culture, but I don't |
| 9 | 2004 | TV | Star Trek: Enterprise | 🔍 🗨️ 🔍 | How my thoughts go flashing back again To my old flame... Germans outlawed colored music . Some of the neighbors pass a phonograph from house to house |
| 10 | 2004 | TV | Will & Grace | 🔍 🗨️ 🔍 | Isn't one person in this room who hasn't had anonymous sex to her music He's right??????? 7x02 Back Up. |
| 11 | 2004 | TV | Will & Grace | 🔍 🗨️ 🔍 | ta start closing the door in my dressing room Uh, can you start the music ... British guy? Okay, follow me! - And five, six, |
| 12 | 2004 | TV | One Tree Hill | 🔍 🗨️ 🔍 | go thrift store hunting with me, Lucas? Who's going to buy bad music or lie to the campus lost and found and claim dumb stuff? Who's |
| 13 | 2004 | TV | Gilmore Girls | 🔍 🗨️ 🔍 | Jason's out. - You'll be returning a hero, Richard. - Music to my ears. - Beautiful day today. - Beautiful. |
| 14 | 2004 | TV | Gilmore Girls | 🔍 🗨️ 🔍 | soup here. Who mentioned soup? This is definitely a no-soup zone. The music 's nice. Oh, she loved Kay Kyser. She wasn't really a |
| 15 | 2004 | TV | Gilmore Girls | 🔍 🗨️ 🔍 | Oh, she loved Kay Kyser. She wasn't really a musical woman. Music was a little frivolous for her. - But Kay Kyser. - Yeah. |
| 16 | 2004 | TV | Malcolm in the Middle | 🔍 🗨️ 🔍 | and by? to the a, if someone your the shatter of the antique music box? What do you mean? He does not play at all?? |
| 17 | 2004 | TV | Gilmore Girls | 🔍 🗨️ 🔍 | . We toured their cloister, it was right out of " The Sound of Music . " What happened to the chocolate? What chocolate? You compared it to |
| 18 | 2004 | TV | Gilmore Girls | 🔍 🗨️ 🔍 | paella is simply beyond me. However, the room looked lovely. And the music was excellent. And the guest list was very good - a lovely group of |
| 19 | 2004 | TV | Quintuplets | 🔍 🗨️ 🔍 | anything? You're a vegetarian? So am I. Broccoli rules. This music is so lame. We've got to put on some Coldplay. I love |

3. Task- 3: Accessing books, brown corpus, inaugural corpus



The image displays two screenshots of a Jupyter Notebook interface, showing the process of accessing and querying NLTK corpora.

Top Screenshot:

```
In [1]: import nltk

In [2]: #Task 1: Encoding.
#Task 2: COCA, Story from Data, concordance.
#Task 3: Accessing books, brown corpus, inaugural corpus.
#Task 4: Experiencing frequency distribution and conditional frequency distribution.
#Task 5: Suggest an application.

In [3]: #nltk.download()

In [4]: from nltk.book import *

*** Introductory Examples for the NLTK Book ***
Loading text1, ..., text9 and senti1, ..., senti9
Type the name of the text or sentence to view it.
Types: 'texts()' or 'sents()' to list the materials.
text1: Moby Dick by Herman Melville 1851
text2: Sense and Sensibility by Jane Austen 1811
text3: The Book of Genesis
text4: Inaugural Address Corpus
text5: Chat Corpus
text6: Monty Python and the Holy Grail
text7: Wall Street Journal
text8: Personals Corpus
text9: The Man Who Was Thursday by G . K . Chesterton 1908

In [5]: from nltk.corpus import brown
brown.categories()
brown.words(categories='adventure')[:20]

Out[5]: ['Dan',
'Morgan',
'told',
'himself',
'he',
'would',
'forget',
'Ann',
'Turner',
'..',
'He',
'was',
'well',
'rid',
'of',
'her',
'..',
'He',
'certainly',
'didn't']
```

Bottom Screenshot:

```
In [6]: from nltk.corpus import inaugural
inaugural.fileids()
inaugural.words(fileids='2009-Obama.txt')[:10]
#use coca make story from frequency graphs

Out[6]: ['My',
'fellow',
'citizens',
'I',
'stand',
'here',
'today',
'humbled',
'by']
```

The screenshot shows a Jupyter Notebook with three code cells. The first cell lists files from the 'inaugural' directory. The second cell shows the words from the '1861-Lincoln.txt' file. The third cell shows the words from the '2017-Trump.txt' file.

```
In [7]: inaugural.files()[1:10]
Out[7]: ['1789-Washington.txt',
         '1793-Washington.txt',
         '1797-Adams.txt',
         '1801-Jefferson.txt',
         '1805-Jefferson.txt',
         '1809-Madison.txt',
         '1813-Madison.txt',
         '1817-Monroe.txt',
         '1821-Monroe.txt',
         '1825-Adams.txt']

In [8]: inaugural.words(fileids = '1861-Lincoln.txt') [1:10]
Out[8]: ['Fellow',
         ',',
         'Citizens',
         'of',
         'the',
         'United',
         'States',
         ',',
         'In',
         'compliance']

In [9]: inaugural.words(fileids = '2017-Trump.txt') [1:10]
Out[9]: ['Chief',
         'Justice',
         'Roberts',
         ',',
         'President',
         'Carter',
         ',',
         'Clinton',
         ',',
         '']
```

4. Task- 4: Experiencing frequency distribution and conditional frequency distribution

The screenshot shows a Jupyter Notebook with four code cells. The first cell shows the words from the '2017-Trump.txt' file. The second cell defines a text string and creates a frequency distribution. The third cell shows the frequency distribution. The fourth cell shows the conditional frequency distribution.

```
Out[9]: ['Chief',
         'Justice',
         'Roberts',
         ',',
         'President',
         'Carter',
         ',',
         'President',
         'Clinton',
         ',',
         '']

In [10]: text1= "NASA was established in 1958, succeeding the National Advisory Committee for Aeronautics (NACA), to give the US space dev
fd=nlk.FreqDist(text1.split()) #number of times a word occurs
fd

Out[10]: FreqDist({'the': 11, 'space': 5, 'and': 4, 'NASA': 3, 'for': 3, 'Space': 3, 'is': 3, 'in': 2, 'development': 2, 'of': 2, ...})

In [11]: from nltk.probability import ConditionalFreqDist

In [12]: cfd= ConditionalFreqDist((len(word),word) for word in text1.split())
cfd[3]

Out[12]: FreqDist({'the': 11, 'and': 4, 'for': 3, 'was': 1, 'its': 1, 'led': 1, 'The': 1})

In [ ]:
```

5. Task- 5: Suggest an application

We can use corpus to do any kind of research necessary to make a database about any kind of topic that we like and based on a certain type of media, for example TV, we can make a list of sources that talked about that specific topic and use that data for any kind of project necessary, for example an NLP Project.

We can also type in specific searches like crime in a specific city and if there appears to be a rise in the frequency of mentions, we can make a conclusion saying that crime in that area must have increased for people to be talking about it so much and try creating awareness.