

Analyzing Historical Text in Python: Sentiments Towards Native Americans Exhibited in the Lewis and Clark Expedition Journals

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1 **### Background Information:**

2 Non-indigenous news, films, museums and literature have demonstrated a warped perspective on Indigenous American history in order to preserve a sense of nationalism. This narrative results in nationwide ignorance of Native American experiences. As a result, non-Natives feel more comfortable with the United States's history and Natives feel the residual effects of colonialism by being considered relics of the past rather than ever-changing communities that have adapted and resisted their hardships over time. I plan to use Python code to conduct a case study on a historical text which demonstrates the dehumanization and erasure of Native American experiences and history.

3 Historical texts illustrate sentiments of the time period the piece was written in, and I want to analyze the impact widely read historical texts have on the public opinion of Native Americans. Every author carries their own bias, and every bias is influenced by historical context. For instance, at what point in time did the majority of academic literature shift from referring to the Indigenous peoples of America as "Indians" to variations of "Native" or "Indigenous" Americans? This question led me into a rabbit hole of texts and articles ranging from Columbus's misclassification of the Taino people as "Indians" in 1492, to modern day debates amongst (mostly non-indigenous) academics over what Indigenous people want to be called. I decided to narrow down my topic. I opted to analyze one, very influential time period when the relationship between the federal government and Native tribes from the northeast was already shaky, but most Western Natives had yet to lay eyes on colonists. From 1482-1776, the Native Americans on the Eastern side of North America were brutally massacred and colonized by British, Spanish, and French settlers and explorers (Native American History Timeline, 2023.) Once the United States declared independence, the colonization of Natives expanded faster than states could form. Dreams of Manifest Destiny and civilizing "savage Indians" ran excitedly through the new country. While colonial settlers already had a racist image of what Native Americans were, most of the Western American Tribes had no idea what the "white man" was, or the

destruction he was capable of.

So, what historical text could illustrate the sentiment of the general public towards Native Americans in the formative years of the U.S.? While this question still produced various sufficient options, the Lewis and Clark journals from 1804–1806 struck me as the most significant. The value in this text for my question is that the authors can illustrate the sentiments of the broader U.S. government. Meriwether Lewis and William Clark served in the U.S. army together before Clark retired and Lewis became Jefferson's personal secretary. Both men had experience working for the federal government, meaning they were employed within imperialist frameworks, and likely shared many of the values and goals of the Commander (and POTUS) who sent them on the voyage. The expedition was launched by President Thomas Jefferson in a time where the colonial ideals of Manifest Destiny guided government agendas. The goal of the expedition was to establish trade with Native American tribes, and explore the West further after obtaining new land in the 1803 Louisiana purchase. (Lewis & Clark among the Indians 1. The Voyage Begins | Journals of the Lewis and Clark Expedition, n.d.) When Jefferson ordered the expedition, he asked Lewis because he knew various Native languages, and Lewis suggested Clark as an additional leader of the voyage.

Research Questions:

The questions I seek to answer in my case study include: what sentiment did the Lewis and Clark journals project towards Native Americans? Did they fuel or diminish the already existing white superiority complex that engulfed white Americans at the time? Were Natives referred to more as the specific tribe they were from, "Natives" or "Indians"? In what language and tone was Sacagawea discussed? I will use the text analysis tools we practiced in class to extract all sentences from the journals that reference "osage," "crow," "mandan," "blackfoot," "flathead," "shoshone," "sacagawea," "native," or "indian." I will then analyze these sentences and what they showcase about the relationship between the federal U.S. government and Indigenous American tribes at that time. I will look into the most common words that accompany any of the above references to Natives, the number of times each term is used, and at what point in the journal entries, if any, can a shift in terminology be observed.

Impactful events of the late 1800s and early 1900s in regards to the Native tribes in the American West include the Wounded Knee massacre, the studying of Ishi, boarding schools, and the Indian Relocation Act. When the U.S. finally fulfilled its "manifest destiny" and stretched from the East to West coast, past treaties with Indigenous tribes began to lack power in the government's eyes. Treaties were responsible for establishing that tribes are distinct political institutions, and this shift in ideology once California achieved statehood in 1850 created

in ideology once California achieved statehood in 1850 created the perception that tribes are subordinate dependent nations to the United States, meaning no need for treaties. I want to explore the relationship between Western tribes and the US government before the traumatic events the colonial government forced upon them. While violent colonialism had been running its course through the Eastern tribes since 1492, many of the Western nations met white men for the first time during the 1804 Lewis and Clark expedition. The aim of my project is to illustrate how Lewis and Clark perceived their interactions and relationships with Native Americans via their personal documentation of their two year journey.

9 Analysis of the attitudes of Native Americans in the early years of the United States is greatly aided by the journals of the Lewis and Clark expedition. They offer a rare glimpse into the interactions between the federal government and Native American tribes during a period when the nation was still establishing its supremacy over Native populations. We can learn more about how the words used in the journals reflect the prevailing cultural sentiments against Native Americans at the time by carefully examining the journals. Therefore, we can better understand how falsified cultural narratives have been maintained. My project's goal is to bring attention to the ways that historical documents such as the journals kept by Lewis and Clark have aided in the erasing and dehumanization of Native American experiences.

10

```
In [34]: 1 #Import necessary packages
2 import pandas as pd
3 text = (pd.read_csv("pg8419-images.csv" ,header=None).to_string())
4 import re
5 import string
6 import nltk
7 nltk.download("stopwords")
8 nltk.download('punkt')
9 nltk.download('wordnet')
10 nltk.download("averaged_perceptron_tagger")
11 from nltk.corpus import stopwords
```

```
[nltk_data] Downloading package stopwords to
[nltk_data] /Users/Eleanor/nltk_data...
[nltk_data] Package stopwords is already up-to-date!
[nltk_data] Downloading package punkt to /Users/Eleanor/nltk_data...
[nltk_data] Package punkt is already up-to-date!
[nltk_data] Downloading package wordnet to /Users/Eleanor/nltk_data..
.
[nltk_data] Package wordnet is already up-to-date!
[nltk_data] Downloading package averaged_perceptron_tagger to
[nltk_data] /Users/Eleanor/nltk_data...
[nltk_data] Package averaged_perceptron_tagger is already up-to-
[nltk_data] date!
```

```
In [9]: 1 #Lowercase
2 text = text.lower()
3 #Remove digits
4 text = re.sub(r'[0-9]', '', text)
5 #Remove spaces
6 text = re.sub(r'\s{2,}', '', text)
7 #Tokenize
8 tokens = nltk.word_tokenize(text)
9 tokens
```

```
Out[9]: ['the',
'journals',
'of',
'lewis',
'and',
'clarknanby',
'meriwether',
'lewis',
'and',
'and',
'william',
'clarknannannan-the',
'journals',
'of',
'lewis',
'and',
'clarknannannan',
'[',
'clark',
',']
```

```
In [11]: 1 #Remove stopwords
2 stop_words = set(stopwords.words('english'))
3 filtered_tokens = [word for word in tokens if word not in stop_words]
4 print(filtered_tokens)
```

```
['journals', 'lewis', 'clarknanby', 'meriwether', 'lewis', 'william',
'clarknannannan-the', 'journals', 'lewis', 'clarknannannan', '[', 'cl
ark', ',', 'may', ',', ']', 'may', 'th-monday', 'set', 'camp', 'river
', 'dubois', 'atoclock', 'p.m.', 'proceded', 'missouris', 'sail', 'th
efirst', 'island', 'missouri', 'camped', 'upper', 'point', 'opposit',
'creek', 'south', 'side', 'ledge', 'limestone', 'rockcalled', 'colewa
ter', ',', 'made', '/', 'miles', ',', 'party', 'consisted', ',', 'sel
f', 'one', 'frenchman', 'andmen', 'boat', 'ofores', ',', 'serjt.', '&
', 'french', 'large', 'perogue', ',', 'corp', 'andsoldiers', 'large',
'perogue', '.', 'cloudy', 'rainey', 'day', '.', 'wind', 'n', 'e.', 'm
en', 'highspirits', '[', 'clark', ',', 'may', ',', ']', 'monday', 'ma
y', 'thtrained', 'forepart', 'day', 'determined', 'go', 'far', 'st.',
'charles', 'french', 'villageleags', '.', 'upthe', 'missourie', ',',
'wait', 'place', 'untill', 'capt', '.', 'lewis', 'could', 'finish', 'b
usiness', 'obliged', 'attend', 'stlouis', 'join', 'land', 'placemiles
', ';', 'movement', 'calculated', 'alterations', 'loading', 'thevestl
es', 'changes', 'necessary', ',', 'might', 'made', 'st.', 'charles',
'set', 'atoclock', 'p.m.', 'presence', 'ofmany', 'neighbouring', 'inh
abitents', ',', 'proceeded', 'jentle', 'brease', 'missourie', 'upper'
'proceded', 'atoclock', 'p.m.', 'presence', 'ofmany', 'neighbouring', 'inh
abitents', ',', 'proceeded', 'jentle', 'brease', 'missourie', 'upper'
```

```
In [15]: 1 #Lemmatize
          2 lemmatizer = nltk.WordNetLemmatizer()
          3 lemmatized_tokens = [lemmatizer.lemmatize(token) for token in tokens]
          4 lemmatized_tokens
```

```
Out[15]: ['the',
          'journal',
          'of',
          'lewis',
          'and',
          'clarknanby',
          'meriwether',
          'lewis',
          'and',
          'and',
          'william',
          'clarknannannan-the',
          'journal',
          'of',
          'lewis',
          'and',
          'clarknannannan',
          '[',
          'clark',
          ',']
```

```
In [17]: 1 #Rejoin text as string
          2 clean_text = ' '.join(lemmatized_tokens)
          3 clean_text
```

```
Out[17]: "the journal of lewis and clarknanby meriwether lewis and and william
clarknannannan-the journal of lewis and clarknannannan [ clark , may
, ] may the th-monday set out from camp river a dubois atoclock p.m.
and proceded up the missouri under sail to thefirst island in the miss
ouri and camped on the upper point opposit a creek on the south side
below a ledge of limestone rockcalled colewater , made / mile , the p
arty consisted of , self one frenchman andmen in the boat ofores , se
rjt. & french in a large perogue , a corp andsoldiers in a large perog
ue . a cloudy rainy day . wind from the n e. men in highspirits [ c
lark , may , ] monday may thrained the forepart of the day i determin
ed to go a far a st. charles a french villageleags . upthe missourie
, and wait at that place untill capt . lewis could finish the business
in which he wa obliged to attend to at stlouis and join me by land fr
om that placemiles ; by this movement i calculated that if any altera
tion in the loading of thevestles or other change necessary , that th
ey might be made at st. charles i set out atoclock p.m. in the presen
ce ofmany of the neighbouring inhabitants , and proceeded on under a
jentle brease up the missourie to the upper point of the stislandmile
s and camped on the island which is situated close on the right ( or
starboard ) side . and opposit the mouth of small creek called cold
```

```
In [19]: 1 #Remove punctuation
2 from string import punctuation
3 for char in punctuation:
4     cleaner_text = clean_text.replace(char, "")
5 cleaner_text
```

```
Out[19]: "the journal of lewis and clarknanby meriwether lewis and and william
clarknannannan-the journal of lewis and clarknannannan [ clark , may
, ] may the th-monday set out from camp river a dubois atoclock p.m.
and proceded up the missouri under sail to thefirst island in the miss
ouri and camped on the upper point opposit a creek on the south side
below a ledge of limestone rockcalled colewater , made / mile , the p
arty consisted of , self one frenchman andmen in the boat ofores , se
rjt. & french in a large perogue , a corp andsoldiers in a large pero
gue . a cloudy rainy day . wind from the n e. men in highspirits [ c
lark , may , ] monday may thrained the forepart of the day i determin
ed to go a far a st. charles a french villageleags . upthe missourie
, and wait at that place untill capt . lewis could finish the business
in which he wa obliged to attend to at stlouis and join me by land fr
om that placemiles ; by this movement i calculated that if any altera
tion in the loading of thevestles or other change necessary , that th
ey might be made at st. charles i set out atoclock p.m. in the presen
ce ofmany of the neighbouring inhabitents , and proceeded on under a
jentle brease up the missourie to the upper point of the stislandmile
s and camped on the island which is situated close on the right ( or
starboard ) side , and opposit the mouth of small creek called cold
```



```
In [20]: 1 #split into sentences
          2 sentences = cleaner_text.strip().split(".")
          3 sentences
```

```
Out[20]: ['the journal of lewis and clarknannby meriwether lewis and and willia
m clarknannannan-the journal of lewis and clarknannannan [ clark , ma
y , ] may the th-monday set out from camp river a dubois atoclock p',
'm',
' and proceded up the missouri under sail to thefirst island in the m
issouri and camped on the upper point opposit a creek on the south si
de below a ledge of limestone rockcalled colewater , made / mile , th
e party consisted of , self one frenchman andmen in the boat ofores ,
serjt',
' & french in a large perogue , a corp andsoldiers in a large perogu
e ',
' a cloudy rainy day ',
' wind from the n e',
' men in highspirits [ clark , may , ] monday may thrained the forep
art of the day i determined to go a far a st',
' charles a french villageleags ',
' upthe missourie , and wait at that place untill capt ',
' lewis could finish the business in which he wa obliged to attend to
at stlouis and join me by land from that placemiles ; by this movemen
t i calculated that if any alteration in the feeding of the natives on
```

```
In [21]: 1 #Pull sentences that mention this word
          2 word = "native" or "nativs" or "nativ" or "natives"
          3 for n, sentence in enumerate(sentences):
          4     sentence = sentence.lower().strip()
          5     if len(sentence):
          6         if word in sentence:
          7             native_sentences = print(f"\n sentence{n}: {sentence}.
          8         else:
          9             del(sentence)
          10 print(native_sentences)
```

sentence31: nannannannan [clark , may ,] wednesday may th a fair m
orning , set out atoclock passed the coal hill (call by the native c
arbonear) this hillappears to contain great quantytes of coal , and
also ore of a rich appearance haveing greatly the resemblance of silv
erarrived opposit st charles atoclock , this village is at the foot o
f a hill from which it take it real name peeteite coete orthe little
hill , it contains aboutindefferent house , and abotinhabetents princ
ipally frinch , those people appear poreand extreemly kind , the coun
trety around i am told is butifull.

sentence133: a small garden of vegetable is the usual extent of thei
r cultivation , and this is commonly imposed on the oldmen and boy ;
the men in the vigor of life consider the cultivation of the earth a

degrading occupation , and in order to gain thenecessary subsistence for themselves and family , either undertake hunting voyage on their own account , or engagethemselves a hireling to such person a posse s ufficient capital to extend their traffic to the native of the interior part ofthe country ; on those voyage in either case , they are freque ntly absent from their family or home the term of six twelve oreighte en month and alwas subjected to severe and incessant labour , exposed to the ferosity of the lawless savage , thevicissitudes of weather an d climate , and dependant on chance or accident alone for food , raim ent or relief in the event ofmalady.

sentence1790: thisevening verry agreeable the wind still from the so uth—from the osagies nation with twenty odd of the native or chief of the nation with him sailed downen the mississippi boundto st louis & g un fired shower of rain shower of rain all that nightnannannannan [c lark , july ,] july th fridayset out at sun rise , and prosd.

sentence2518: a fee pas , the head ofarkansas , round the kansa head , across some mountain from the top of which the city may be seen the spaniard haveenvited those indian & the panies to trade with them & s ome french & a few indian are gorn from the panias to that city thiss ummer—the situation of this place which we call council bluff which i s handsom ellevated a spot well calculated for a tradeingestablisshmen t , the bank high & leavel on top well calculated for a fort to comma nd the countrey and river the low bottomabove high water & well situa ted under the command of the hill for house to trade with the native a butifull plain both abovand below at no other bend on either side d oe the high land touch the river for some distance up , a i am told.

sentence2609: they bear a great resemblance to the young quale of te n day oald , and apear like them to be able to runabout andpeck their food a soon a they are hatched—this bird , life on small fish , worm a nd bug which it take on the virge of thewater it is seldom seen to li ght on tree an quite a seldom do they lite in the water and swim tho the foot would indicate thatthey did it 's being webbed i believe the m to be a native of this country and probly a constant resident.

sentence2763: us that they could not find the indian nor any fresh si gn , those people have not returned from their buffalow hunt , thosep eople haveing no house no corn or any thing more than the graf of the ir ancestors to attach them to the old village , continue in pursuite of the buffalow longer than others who had greater attachment to thei r native villagethe ravage of thesmall pox (which swept offmen & wom an & child in perpoposion) ha reduced this nation not exceedingmenan d left them to the insult of their weaker neighbour which before wa g lad to be on friendly turms with them—i am told whinthis fatal malady wa among them they carried ther franzey to verry extroadinary length , not only of burning their village , buttthey put their wife & child to death with a view of their all going together to some better count rey—they burry theirdead on the top of high hill and rais mound on th

e top of them , -the cause or way those people took the small pox is uncertain , the most probable from some other nation by mean of a war party observed time and distance of the sun & moon the moon east the th of august monday , three mile ne of themahars old village at fish camp-nannannannan [clark , august ,] august th wendesday i took ten men & went out to beaver dam across a creek about a mile s w from camp , and with a brush drag caught fish , of the following kind (i ' e) pike , samon , bass , pirsch , red horse , small cat , & a kind of perch called on the ohio silverfish i also caught the srimp which is common to the lower part of the mississippi , in this creek & in the beaver pond is emince bead of mustles verry large & fat-in my absence capt lewis send the souex interpr & a party to a smoke which appeared to rise at no great distance to the north with a view to find some band of that nation , they returned and informed that they had been made some time by some small party , and the hard wind of to day had set the prairie on fire from some high tree , which was left burning all well , party from ottoes not come up.

None

```
In [22]: 1 #Pull sentences that mention this word
2 word = "indian" or "indians"
3 for n, sentence in enumerate(sentences):
4     sentence = sentence.strip()
5     if len(sentence):
6         if word in sentence:
7             indian_sentences = print(f"\n sentence{n}: {sentence}.".
8         else:
9             del(sentence)
10 indian_sentences
```

sentence37: charles atoclock a number spectator french & indiansflock ed to the bank to see the party.

sentence41: nannannannan [clark , may ,] thursday the tha fine daymen confined for misconduct , i had a court martial & punishment several indian , who informed me that the saukees had lately crossed to war against the osage nation som aplicasions , i took equalaltitudes made the m a.

sentence46: several kickapoo indian visit me to day , george drewyer arrive.

sentence182: lewiswalk on shore a little & passed a camp of kickapoo indian , & incamped in the mouth of a small creek in a large bend on thestbd side.

sentence185: side those indian told me several day ago that theywould come on & hunt and by the time i got to their camp they would have some provision for u we camped in a bend atthe me

```
In [32]: 1 #Pull sentences that mention this word
2 word = "crow"
3 for n, sentence in enumerate(sentences):
4     sentence = sentence.lower().strip()
5     if len(sentence):
6         if word in sentence:
7             crow_sentences = print(f"\n sentence{n}: {sentence}.")
8         else:
9             del(sentence)
10    print(crow_sentences)
```

sentence1434: called parques , all at once the river became crowded with drift that it wa dangerous to cross this i suppose wa from the ca veing in of the bank at the head of some island above , () passed a creek on the l.

sentence1562: called reeveys prarie (fro a man of that name being k illed in it) opposit this prarie the river is confined in a verry narr ow space crowded on s.

sentence2092: the sand of this river comesroleing down with the curr ent which is crowded with sand bar and notfeet water at any place acr oss it mouth , therapidity of the current of this river which is grea ter than that of the missourie , it width at the mouth across the bar is about/ of a mile , higher up i am told by one of the bowman that h e waswinters on this river above and that it doe not rise feet , but s preds overmiles at some place , capt lewis & my self went up some dis tance & crossed found it shallow.

sentence2828: my father always directed me to be friendly with the

```
In [31]: 1 #Pull sentences that mention this word
2 word = "osage"
3 for n, sentence in enumerate(sentences):
4     sentence = sentence.lower().strip()
5     if len(sentence):
6         if word in sentence:
7             osage_sentences = print(f"\n sentence{n}: {sentence}.")
8         else:
9             del(sentence)
10    print(osage_sentences)
```

sentence41: nannannannan [clark , may ,] thursday the tha fine daym en confined for misconduct , i had a court martial & punishment severa l indian , who informed me that the saukees had lately crossed to war against the osage nation som aplicasions , i took equalaltitudes made the m a.

sentence191: side called woman of osage river aboutyds.

sentence212: side called osage woman r , aboutyds.

sentence334: came to from the maharsnation , which place they had left two month , at aboutoclockcajaux or raft loaded with fur and peltries came too one from the paunees , the other from grand osage , they informed nothing of consequence , passed a creek on the lbd side called ash creek yds wide , passed the upper point of a large island on the stbd side back of which come in three creeks one called orter creek , here the men we left hunting came in we camped on a willow island in the mouth of gasconnaderiver.

sentence372: above the mouth of osage river larb side , camped fell a number of tree in the point to take observation a fair after noon , sit up untilloclock to take som observation & c.

sentence374: wide at miles , several small islands in the river the wind a head from the west the current exceedingly rapid came to on the point of the osages river on the labd side of missouries this osage river verry high , felled all the tree in the point to make observation sit up untilloclock taken oservation this night nannannannan [clark , june ,] june nd—took the dirt.

sentence376: i measured the osage & missouri at this place made ther width as follows , the missoureyd.

sentence377: wide the osage ryds.

sentence394: side is yards wide the osage river from the point to the s.

sentence397: which comds both river i had a delightful) prospect of the missouries up & down , also the osage r.

sentence400: the two muddey river passing thro & som fine spring & stream our hunter kill several deer to day , some small lick on the se of the osage river.

sentence555: i expect that those indian are on their way to war against the osage nation probably they are the saukeesnannannannan [clark , june ,] wednesday the th of june.

sentence669: the land still further back becoms thin and open , with black & rasp berry , and still further back the plain commence , the french inform that lead ore is found on this river in several places , it head up between the osagees & kansa river the right hand folk pass in a short distance of the missourie at the antient little ozages village our hunter killed , deer , after staying one hour at the mouth of this river , cap lewis went out & proceeded on one mile & came in , h

e found the land in the point high and fine course n.

sentence692: the main branch passes near the place where the little osage village formerly stood on the missouries , & head between the osage & kansias river , the left hand fork head with nearer branch of the osage river , the french inform that lead ore has been found in different part of this river , i took sjt.

sentence820: found the country rolling open & rich , with plenty of water , great qts of deer i discovered a plumb which grows on bush the height of hasel , those plumb are in great numbers , the bush bears very full , about double the size of the wild plumb called the osage plumb & am told they are finely flavoured.

sentence834: of the mississippi void of every thing except grass , they abound with haselgrapes & a wild plumb of a superior quality , called the osage plumb grows on a bush the height of a hasel and hangs in great quantities on the bush i saw great number of deer in the prairies , the evening is cloudy , our party in high spirits.

sentence984: osage) is situated in beautiful plain at the foot of some rising land , in front of their villages next the river is a beautiful bottom plain in which they raised their corn & c.

sentence986: above & in view the missouries nation resided under the protection of the osages , after their nation was reduced by the saukies below , they built their village in the same low prairie and lived there many years , the war was so hot & both nations became so reduced that the little osage & a few of the missoures moved & built a village near the grand osage , the rest of the missoures went and took protection under the ottauas on platt river. [clark , june ,] the 11th , june , friday set out early and had not proceeded far before we were delayed on a sawyer which was near injuring us very much , passed a plain on the l.

sentence995: of each other , the osage were settled at the foot of a hill in a beautiful plain which extends back quite to the osage river , in front of the village.

sentence998: the little osage finding themselves much oppressed by the saukies & other nations , left this place & built a village.

sentence1057: came too to make ore , and a cord for a toe rope all this day employed in getting out ore , & making for the use of the boat out of a large cable rope which we have , gdrewyer came up a bear & deer , also a fine horse which he found in the wood , supposed to have been left by some war party from the osage , the ticks are numerous and large and have been troublesome all the way and the musketors are beginning to be very troublesome , my cold continues very bad the french higherlins complain for the want of provision , saying they are accustomed

omed to eat & time a day , they are roughly rebuked for their presumption , the country aboutabounds in bear deer & elk and the s.

sentence1072: pryor and some men to get ash timber for ore , and set some men to make a toe rope out of the cord of a cablewhich had been provided by capt lewis at pitt burg for the cable of the boat-george drewyer our hunter and one mancame in withdeer & a bear , also a young horse , they had found in the prarie , this horse ha been in the prarie a long timeand is fat , i suppose he ha been left by some war party against the osage , this is a crossing place for the war partis againstthat nation from the saukees , aiaouez , & souix.

sentence1744: the bottom land is covered with grass of about / foot high , andappears a leavel a a smoth surface , thebottom is also covered with grass and rich weed & flours , interspersed withcopses of the osage plumb.

sentence2080: in the missouri from it 's junction with the mississipi to the entrance of the osageriver from / tofrom thence to the mouth of the kansas from / to.

sentence2495: the osage & kansies are the same languagethe ottoes & mahars speek many word of the osarge languagethe ottos , aiaways , & missouries speake the same language the panies & recrerries speak the same language also thelouns & repub.

sentence2498: the panies , louns , republican , recrerees the ndthe mandans cheeons , & grovanter the rd the tribe of the soux all retain the name thit is possible that the , mahar & poncarear may have been a distinct nation , a they only speek some word of the osagewhich have the same significationsdays to st ta fees.

None

```
In [30]: 1 #Pull sentences that mention this word
2 word = "mandan"
3 for n, sentence in enumerate(sentences):
4     sentence = sentence.lower().strip()
5     if len(sentence):
6         if word in sentence:
7             mandan_sentences = print(f"\n sentence{n}: {sentence}.".
8         else:
9             del(sentence)
10    print(mandan_sentences)
```

sentence125: charles tayong a spanish ensign & late commandant of st .

sentence132: the vilage contains a chappel , one hundred dwelling ho use , and about inhabitants ; their house are generally small and but illy constructed ; a great majority of the inhabitant are miserably p our , illiterate and when at home excessively lazy , tho they are pol ite hospitable and by no mean deficient in point of naturalgenious , t hey live in a perfect state of harmony among each other ; and plase a implicit confidence in the doctrine of theirsperitual pastor , the rom an catholic priest , a they yeald passive obedience to the will of th eir temporal master thecommandant.

sentence2498: the panies , louns , republican , recrees the ndthe mandans cheeons , & grovanders the rd the tribe of the soux all retai n the name thit is possible that the , mahar & poncarear may have bee n a distinct nation , a they only speek some word of the osagewhich h ave the same signifcationdays to st ta fee s.

```
In [29]: 1 #Pull sentences that mention this word
2 word = "savage"
3 for n, sentence in enumerate(sentences):
4     sentence = sentence.lower().strip()
5     if len(sentence):
6         if word in sentence:
7             savage_sentences = print(f"\n sentence{n}: {sentence}.".
8         else:
9             del(sentence)
10    print(savage_sentences)
```

sentence133: a small garden of vegetable is the usual extent of thei r cultivation , and this is commonly imposed on the oldmen and boy ; the men in the vigor of life consider the cultivation of the earth a degrading occupation , and in order to gain thenecessary subsistence for themselves and family , either undertake hunting voyage on their own account , or engagethemselves a hireling to such person a posse s

ufficient capital to extend their traffic to the native of the interior part of the country ; on those voyage in either case , they are frequently absent from their family or home the term of six twelve or eighteen month and always subjected to severe and incessant labour , exposed to the ferocity of the lawless savage , the vicissitudes of weather and climate , and dependant on chance or accident alone for food , raiment or relief in the event of malady.

sentence1504: groups of shrubs covered with the most delicious fruit is to be seen in every direction , and nature appears to have exerted herself to beautify the scenery by the variety of flowers delicately and highly flavored raised above the grass , which strike & perfume the sensation , and amuses the mind throw it into conjecturing the cause of so magnificent a scenery in a country thus situated far removed from the civilised world to be enjoyed by nothing but the buffalo elk deer & bear in which it abounds & savage indian the name of the french ingishees , or hirelens—in perogee baptist de shone patron Joseph le barthelemy de la Roche. neess paul preemauchaloe.

sentence3023: within a few feet of them—one evidence which the Indians give for believing this place to be the residence of some unusual spirit is that they frequently discover a large assemblage of birds about this mound—is in my opinion a sufficient proof to produce in the savages and a confident belief of all the property which they ascribe it.

sentence4322: tobacco sayable to bear arms , and the remains of ten different tribes of Indians reduced by the small pox & war with the Sioux , they are tall stout men coarsely featured , their women small & industrious raise great quantities of corn beans & also tobacco for the men to smoke , they collect all the wood and do the drudgery common amongst savages—their language is so corrupted that many lodge of the same village with difficulty understand all that each other say—they are dirty , kind , pure , & extravagant ; possessing natural pride , no beggars , receive what is given them with pleasure , their houses are close together & towns inclosed with pickets , their lodges are of teepees in diameter covered with earth on a central pole set endwise resting on forked supporting beams set in a square form near the center , and lower about feet high other fork all around support.

sentence4336: also tobacco for the men to smoke they collect all the wood and do the drudgery a common amongst savages.

sentence4663: opposite a high hill several Indians visit us this evening the son of the late great chief of the Mandans who had lost his fingers off and appeared to be pained in many places on inquiring the reason , was informed that it was a testimony to their grief for deceased friends , they frequently cut off several fingers & pierced themselves in different parts , a mark of savage affection , wind hard from the S.

sentence4687: several Indians come to see us this evening , amongst others

hers the sun of the late great cheif of the mandins , this man ha his two littlefingers off- ; on inquireing the cause , wa told it wa custom ary for this nation to show their greaf by some testimony of pain , and that it wa not uncommon for them to take offsmaller fingers of the hand and some time more with ther mark ofsavage effectiionnanthe wind blew verry hard this evening from the s.

sentence4773: in the evening which pleased the savage much.
None

```
In [28]: 1 #Pull sentences that mention this word
2 word = "civil"
3 for n, sentence in enumerate(sentences):
4     sentence = sentence.lower().strip()
5     if len(sentence):
6         if word in sentence:
7             civil_sentences = print(f"\n sentence{n}: {sentence}.")
8         else:
9             del(sentence)
10 print(civil_sentences)
```

sentence2184: the day is recconed on civil time , (i e) commencing atmidnight.

sentence4300: we tookhim and one chief on board and set out , on our way took in the d chief at the mo of a small creek , and came too off the dvillage which ismiles above the island , we walked up with the & chief to their village which is situated on each side ofa small creek , they gave u something to eat in thier way , after conversation on v arious subject & beareing the civility ofthose people who are both pore & dirtey we informed the chief we would here what they had to say tomorrow and returnedon board aboutoclock p m.

sentence4305: after being treated by every civility by those people who are both pore & durtey we returned to our boat at aboutoclk.

sentence4344: the rickores we put off dureing the time we were at th e town buthandsom young squars were sent by a man tofollow u , they came up this evening and peresisted in their civilities.

None

```
In [27]: 1 #Pull sentences that mention this word
2 word = "chief"
3 for n, sentence in enumerate(sentences):
4     sentence = sentence.lower().strip()
5     if len(sentence):
6         if word in sentence:
7             chief_sentences = print(f"\n sentence{n}: {sentence}.")
8         else:
9             del(sentence)
10 print(chief_sentences)
```

sentence863: duriaur to return with u , with a view to get some of t
he souxchiefs to go to the u.

sentence874: durioun wa of the party we questioned him untill it wa
toolate to go further and concluded to camp for the night , those peo
ple inform nothing of much information colcluded to takeold durioun b
ack a fur a the soux nation with a view to get some of their chief to
visit the presdt.

sentence1790: thisevening verry agreeable the wind still from the so
uth-from the osagies nation with twenty odd of the native or chief of
the nation with him sailed downen the mississippi boundto st louis & g
un fired shower of rain shower of rain all that nightnannannannan [c
lark , july ,] july th fridayset out at sun rise , and prosd.

sentence2144: this being a good situation andmuch nearer the otteaus
town than the mouth of the platt , we concluded to delay at this plac
e a few day and send for someof the chief of that nation to let them
know of the change of government the wish of our government to visit

```
In [26]: 1 #Pull sentences that mention this word
2 word = "kickapoo"
3 for n, sentence in enumerate(sentences):
4     sentence = sentence.lower().strip()
5     if len(sentence):
6         if word in sentence:
7             kickapoo_sentences = print(f"\n sentence{n}: {sentence}")
8         else:
9             del(sentence)
10 print(kickapoo_sentences)
```

sentence46: several kickapoo indian visit me to day , george drewyer arrive.

sentence77: lauriesme returned from the kickapootown to day delayed a short time & set out for st.

sentence85: lauremus who had been sent by cap lewis to the kickapoo town on publicbusiness return 'd and after a short delay proceeded on to st louis , i sent george drewyer with a letter to capt lewis twoke el boat arrive from kentucky to day loaded with whiskey hat & c.

sentence182: lewiswalk on shore a little & passed a camp of kickapoo indian , & incamped in the mouth of a small creek in a large bend on thestbd side.

sentence184: side called bonom a camp of kickapoo on the st.
None

```
In [33]: 1 native = cleaner_text.count("native")
2 indian = cleaner_text.count("indian")
3 savage = cleaner_text.count("savage")
4 osage = cleaner_text.count(" osage")
5 mandan = cleaner_text.count(" mandan")
6 crow = cleaner_text.count(" crow")
7 civil = cleaner_text.count("civil")
8 kickapoo = cleaner_text.count("kickapoo")
9 chief = cleaner_text.count("chief")
10 print("The term native is used", native, "times.")
11 print("The term Indian is used", indian, "times.")
12 print("The term civil is used", civil, "times.")
13 print("The term savage is used", savage, "times.")
14 print("The tribe Osage is mentioned", osage, "times.")
15 print("The tribe Mandan is mentioned", mandan, "times.")
16 print("The tribe Crow is mentioned", crow, "times.")
17 print("The tribe Kickapoo is mentioned", kickapoo, "times.")
18 print("The title Chief is used", chief, "times.")
```

The term native is used 6 times.
The term Indian is used 323 times.
The term civil is used 4 times.
The term savage is used 8 times.
The tribe Osage is mentioned 29 times.
The tribe Mandan is mentioned 100 times.
The tribe Crow is mentioned 19 times.
The tribe Kickapoo is mentioned 5 times.
The title Chief is used 401 times.