

Diccionario_DeepL

October 17, 2023

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1 Lectura

```
[106]: file = '/content/drive/MyDrive/texto.txt'
```

```
[107]: palabras = {}  
with open(file, 'r') as f:  
    for line in f:  
        words = line.split()  
        for word in words:  
            word = word.strip(".", !?"'() [] {}") # Elimina signos de puntuación  
            ↪ alrededor de las palabras  
            word = word.lower() # Convierte la palabra a minúsculas para evitar  
            ↪ contar palabras con mayúsculas diferentes como distintas  
            if word in palabras:  
                palabras[word] += 1  
            else:  
                palabras[word] = 1
```

2 Conteo obtenido

```
[108]: # Lista que contiene los datos  
words = []  
counts = []  
  
# Imprime el conteo de palabras  
for word, count in palabras.items():  
    words.append(word)  
    counts.append(count)  
    print(f"{word}: {count}")
```

```
once: 1  
upon: 5  
a: 44  
time: 2
```

in: 12
land: 1
shrouded: 1
mist: 1
and: 47
mystery: 1
there: 2
lived: 2
young: 3
girl: 1
named: 4
elara: 20
she: 10
resided: 1
quaint: 1
cottage: 2
nestled: 1
at: 3
the: 77
edge: 2
of: 43
enchanted: 12
forest: 26
place: 2
known: 3
to: 22
be: 2
filled: 2
with: 22
wonders: 2
perils: 1
alike: 1
elara's: 7
life: 3
was: 12
seemingly: 1
ordinary: 2
but: 1
her: 17
heart: 8
wellspring: 1
curiosity: 1
courage: 4
it: 5
destined: 2
lead: 1
on: 6
remarkable: 1

adventure: 2
father: 1
wise: 1
kind: 1
man: 1
had: 6
always: 1
told: 2
stories: 3
magical: 4
creatures: 7
that: 8
dwelled: 1
within: 1
every: 1
evening: 1
as: 12
sun: 1
dipped: 1
below: 1
horizon: 1
he: 2
would: 2
spin: 1
tales: 2
glistening: 1
unicorns: 1
mischievous: 2
sprites: 2
ancient: 4
talking: 2
trees: 5
whispered: 3
secrets: 3
past: 2
wide-eyed: 1
wonder: 3
listened: 2
rapt: 1
attention: 1
longing: 1
explore: 1
herself: 2
one: 3
autumn: 1
morning: 1
leaves: 1
began: 2

turn: 2
shades: 1
red: 1
gold: 2
decided: 1
come: 1
venture: 1
into: 5
put: 1
worn: 1
leather: 1
boots: 1
slung: 1
knapsack: 1
over: 2
shoulder: 1
packed: 1
few: 1
provisions: 1
full: 2
anticipation: 1
mind: 1
father's: 1
set: 2
out: 3
journey: 1
stepped: 1
like: 3
realm: 4
straight: 1
dream: 1
towered: 1
high: 1
above: 1
their: 10
trunks: 1
covered: 1
moss: 1
branches: 1
heavy: 1
weight: 1
countless: 1
shafts: 1
golden: 1
sunlight: 1
pierced: 1
through: 5
canopy: 1

illuminating: 1
path: 1
before: 1
walked: 1
sense: 3
purpose: 1
guided: 1
by: 2
feeling: 1
something: 1
extraordinary: 2
waiting: 1
for: 5
soon: 1
encountered: 3
first: 1
creature: 2
tiny: 2
luminescent: 1
delicate: 1
wings: 1
fluttering: 1
around: 2
bed: 1
wildflowers: 1
fairy: 1
is: 1
what: 1
hair: 1
color: 1
spun: 1
eyes: 1
sapphires: 1
introduced: 1
lila: 5
offered: 1
guide: 1
agreed: 1
together: 2
they: 13
embarked: 1
journeyed: 2
deeper: 1
multitude: 1
captivating: 1
beings: 1
met: 1
group: 1

singing: 1
will-o'-the-wisps: 1
ethereal: 1
voices: 1
sweetest: 1
melodies: 1
danced: 1
wisps: 1
laughter: 1
echoing: 1
woods: 1
next: 1
stumbled: 1
squirrel: 1
squeaky: 3
who: 3
forest's: 6
unofficial: 1
historian: 1
regaled: 1
them: 2
battles: 1
between: 1
rocks: 1
great: 3
heroes: 1
long: 1
forgotten: 1
intently: 1
swelling: 1
belonging: 2
this: 2
mystical: 1
days: 1
turned: 1
weeks: 1
explored: 1
forming: 1
friendships: 1
its: 5
many: 1
inhabitants: 3
shared: 3
sang: 1
songs: 1
marveled: 1
nature: 1
learned: 2

communicate: 1
own: 2
revealing: 1
hidden: 1
paths: 1
treasures: 1
day: 2
while: 1
wandering: 1
sun-dappled: 1
glade: 1
came: 1
across: 1
clearing: 1
where: 5
magnificent: 1
unicorn: 2
grazed: 1
coat: 1
white: 1
fresh-fallen: 1
snow: 1
horn: 1
gleamed: 1
silvery: 1
light: 1
celestia: 2
radiated: 1
wisdom: 2
grace: 1
beckoned: 1
approach: 1
amazement: 1
understood: 1
unicorn's: 1
thoughts: 1
revealed: 1
prophecy: 1
been: 2
foretold: 1
centuries: 1
spoke: 1
human: 1
pure: 1
untamed: 1
unite: 1
restore: 1
balance: 1

chosen: 1
entrusted: 1
mission: 1
importance: 1
newfound: 2
determination: 1
quest: 1
bring: 1
diverse: 1
treacherous: 1
terrain: 1
faced: 1
challenges: 1
sought: 2
help: 1
both: 1
unknown: 1
along: 1
way: 1
tested: 1
wits: 1
giant: 1
owls: 1
riddles: 1
tree: 2
elders: 1
seasons: 1
changed: 1
bond: 2
deepened: 1
harness: 2
magic: 4
healing: 1
wounded: 1
mending: 1
wounds: 1
each: 1
challenge: 1
overcame: 1
harmony: 1
grew: 1
stronger: 1
trust: 1
leadership: 1
finally: 1
reckoning: 1
arrived: 1
when: 2

darkness: 2
threatened: 1
consume: 1
sinister: 1
sorcerer: 1
malachi: 3
his: 2
wicked: 1
purposes: 1
summoned: 1
dark: 1
unleashed: 1
causing: 1
chaos: 1
destruction: 1
friends: 2
stood: 1
last: 1
line: 1
defense: 1
confronted: 1
climactic: 1
battle: 1
purity: 1
hearts: 1
prevailed: 1
sorcerer's: 1
malevolence: 1
combined: 1
strength: 1
banished: 1
from: 2
restoring: 1
peace: 1
token: 1
gratitude: 2
bestowed: 1
unique: 1
gift: 1
sapling: 2
itself: 1
planted: 1
grow: 1
forever: 2
linking: 1
returned: 1
years: 1
passed: 1

```
tale: 1
became: 1
legend: 1
story: 2
campfires: 1
wind: 1
continued: 1
visit: 1
unbreakable: 1
touched: 1
left: 1
an: 2
indelible: 1
mark: 1
so: 1
world: 1
meets: 3
girl's: 1
enduring: 1
testament: 1
power: 1
friendship: 1
enchantment: 1
lies: 1
just: 1
beyond: 1
```

```
[109]: print(len(words))
       print(len(counts))
```

```
414
414
```

3 Histograma

```
[110]: import matplotlib.pyplot as plt

       # Ordena las barras por conteo (counts) de mayor a menor
       sorted_indices = sorted(range(len(counts)), key=lambda i: counts[i],
                               ↪reverse=True)

       # Ordena las listas de palabras y conteos de acuerdo a los índices ordenados
       sorted_words = [words[i] for i in sorted_indices]
       #sorted_words = words
       sorted_counts = [counts[i] for i in sorted_indices]
```

```

# Crea un histograma
plt.figure(figsize=(20, 10)) # Establece el tamaño de la figura

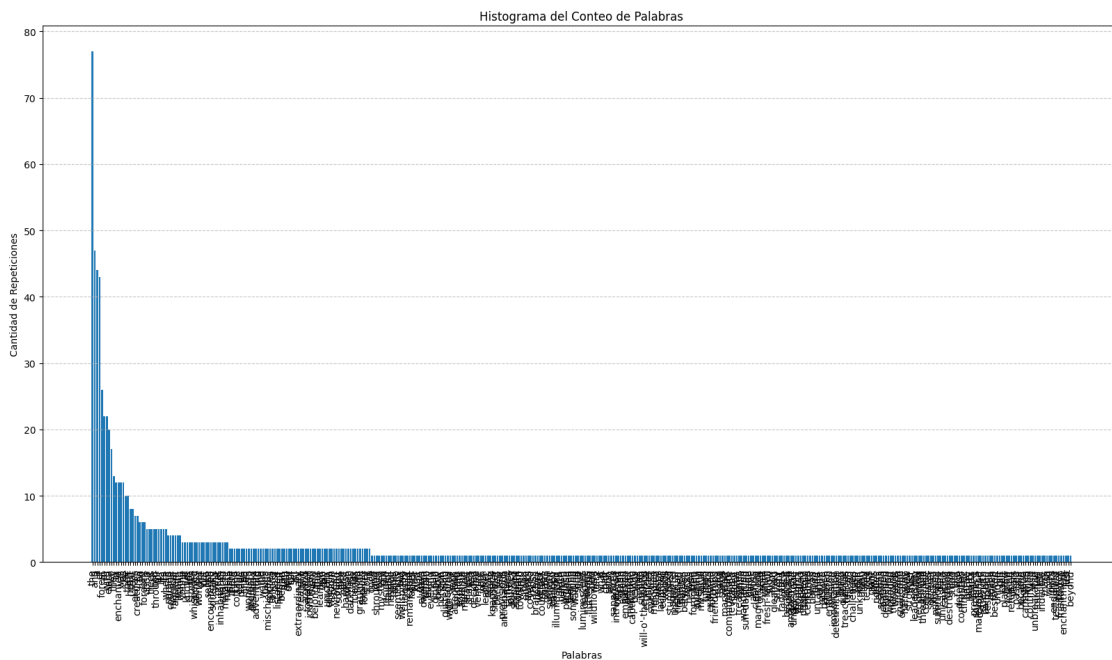
# Puedes ajustar el rango y la cantidad de bins según tus preferencias
plt.bar(range(len(sorted_words)), sorted_counts, align='center')

plt.title("Histograma del Conteo de Palabras")
plt.xlabel("Palabras")
plt.ylabel("Cantidad de Repeticiones")
plt.grid(axis='y', linestyle='--', alpha=0.7)

# Ajusta las etiquetas del eje x para mostrar las palabras
plt.xticks(range(len(sorted_words)), sorted_words, rotation=90)

plt.show()

```



```

[111]: i=0
print('Lista con palabra y su dicho conteo de mayor a menor:\n')
for word in sorted_words:
    print(f'{word} : {sorted_counts[i]}')
    i = i+1

```

Lista con palabra y su dicho conteo de mayor a menor:

```

the : 77
and : 47

```

a : 44
of : 43
forest : 26
to : 22
with : 22
elara : 20
her : 17
they : 13
in : 12
enchanted : 12
was : 12
as : 12
she : 10
their : 10
heart : 8
that : 8
elara's : 7
creatures : 7
on : 6
had : 6
forest's : 6
upon : 5
it : 5
trees : 5
into : 5
through : 5
for : 5
lila : 5
its : 5
where : 5
named : 4
courage : 4
magical : 4
ancient : 4
realm : 4
magic : 4
young : 3
at : 3
known : 3
life : 3
stories : 3
whispered : 3
secrets : 3
wonder : 3
one : 3
out : 3
like : 3
sense : 3

encountered : 3
squeaky : 3
who : 3
great : 3
inhabitants : 3
shared : 3
malachi : 3
meets : 3
time : 2
there : 2
lived : 2
cottage : 2
edge : 2
place : 2
be : 2
filled : 2
wonders : 2
ordinary : 2
destined : 2
adventure : 2
told : 2
he : 2
would : 2
tales : 2
mischievous : 2
sprites : 2
talking : 2
past : 2
listened : 2
herself : 2
began : 2
turn : 2
gold : 2
over : 2
full : 2
set : 2
by : 2
extraordinary : 2
creature : 2
tiny : 2
around : 2
together : 2
journeyed : 2
them : 2
belonging : 2
this : 2
learned : 2
own : 2

day : 2
unicorn : 2
celestia : 2
wisdom : 2
been : 2
newfound : 2
sought : 2
tree : 2
bond : 2
harness : 2
when : 2
darkness : 2
his : 2
friends : 2
from : 2
gratitude : 2
sapling : 2
forever : 2
story : 2
an : 2
once : 1
land : 1
shrouded : 1
mist : 1
mystery : 1
girl : 1
resided : 1
quaint : 1
nestled : 1
perils : 1
alike : 1
seemingly : 1
but : 1
wellspring : 1
curiosity : 1
lead : 1
remarkable : 1
father : 1
wise : 1
kind : 1
man : 1
always : 1
dwelled : 1
within : 1
every : 1
evening : 1
sun : 1
dipped : 1

below : 1
horizon : 1
spin : 1
glistening : 1
unicorns : 1
wide-eyed : 1
rapt : 1
attention : 1
longing : 1
explore : 1
autumn : 1
morning : 1
leaves : 1
shades : 1
red : 1
decided : 1
come : 1
venture : 1
put : 1
worn : 1
leather : 1
boots : 1
slung : 1
knapsack : 1
shoulder : 1
packed : 1
few : 1
provisions : 1
anticipation : 1
mind : 1
father's : 1
journey : 1
stepped : 1
straight : 1
dream : 1
towered : 1
high : 1
above : 1
trunks : 1
covered : 1
moss : 1
branches : 1
heavy : 1
weight : 1
countless : 1
shafts : 1
golden : 1
sunlight : 1

pierced : 1
canopy : 1
illuminating : 1
path : 1
before : 1
walked : 1
purpose : 1
guided : 1
feeling : 1
something : 1
waiting : 1
soon : 1
first : 1
luminescent : 1
delicate : 1
wings : 1
fluttering : 1
bed : 1
wildflowers : 1
fairy : 1
is : 1
what : 1
hair : 1
color : 1
spun : 1
eyes : 1
sapphires : 1
introduced : 1
offered : 1
guide : 1
agreed : 1
embarked : 1
deeper : 1
multitude : 1
captivating : 1
beings : 1
met : 1
group : 1
singing : 1
will-o'-the-wisps : 1
ethereal : 1
voices : 1
sweetest : 1
melodies : 1
danced : 1
wisps : 1
laughter : 1
echoing : 1

woods : 1
next : 1
stumbled : 1
squirrel : 1
unofficial : 1
historian : 1
regaled : 1
battles : 1
between : 1
rocks : 1
heroes : 1
long : 1
forgotten : 1
intently : 1
swelling : 1
mystical : 1
days : 1
turned : 1
weeks : 1
explored : 1
forming : 1
friendships : 1
many : 1
sang : 1
songs : 1
marveled : 1
nature : 1
communicate : 1
revealing : 1
hidden : 1
paths : 1
treasures : 1
while : 1
wandering : 1
sun-dappled : 1
glade : 1
came : 1
across : 1
clearing : 1
magnificent : 1
grazed : 1
coat : 1
white : 1
fresh-fallen : 1
snow : 1
horn : 1
gleamed : 1
silvery : 1

light : 1
radiated : 1
grace : 1
beckoned : 1
approach : 1
amazement : 1
understood : 1
unicorn's : 1
thoughts : 1
revealed : 1
prophecy : 1
foretold : 1
centuries : 1
spoke : 1
human : 1
pure : 1
untamed : 1
unite : 1
restore : 1
balance : 1
chosen : 1
entrusted : 1
mission : 1
importance : 1
determination : 1
quest : 1
bring : 1
diverse : 1
treacherous : 1
terrain : 1
faced : 1
challenges : 1
help : 1
both : 1
unknown : 1
along : 1
way : 1
tested : 1
wits : 1
giant : 1
owls : 1
riddles : 1
elders : 1
seasons : 1
changed : 1
deepened : 1
healing : 1
wounded : 1

mending : 1
wounds : 1
each : 1
challenge : 1
overcame : 1
harmony : 1
grew : 1
stronger : 1
trust : 1
leadership : 1
finally : 1
reckoning : 1
arrived : 1
threatened : 1
consume : 1
sinister : 1
sorcerer : 1
wicked : 1
purposes : 1
summoned : 1
dark : 1
unleashed : 1
causing : 1
chaos : 1
destruction : 1
stood : 1
last : 1
line : 1
defense : 1
confronted : 1
climactic : 1
battle : 1
purity : 1
hearts : 1
prevailed : 1
sorcerer's : 1
malevolence : 1
combined : 1
strength : 1
banished : 1
restoring : 1
peace : 1
token : 1
bestowed : 1
unique : 1
gift : 1
itself : 1
planted : 1

grow : 1
linking : 1
returned : 1
years : 1
passed : 1
tale : 1
became : 1
legend : 1
campfires : 1
wind : 1
continued : 1
visit : 1
unbreakable : 1
touched : 1
left : 1
indelible : 1
mark : 1
so : 1
world : 1
girl's : 1
enduring : 1
testament : 1
power : 1
friendship : 1
enchantment : 1
lies : 1
just : 1
beyond : 1

4 Word Cloud

[112]: !pip install wordcloud

Requirement already satisfied: wordcloud in /usr/local/lib/python3.10/dist-packages (1.9.2)
Requirement already satisfied: numpy>=1.6.1 in /usr/local/lib/python3.10/dist-packages (from wordcloud) (1.23.5)
Requirement already satisfied: pillow in /usr/local/lib/python3.10/dist-packages (from wordcloud) (9.4.0)
Requirement already satisfied: matplotlib in /usr/local/lib/python3.10/dist-packages (from wordcloud) (3.7.1)
Requirement already satisfied: contourpy>=1.0.1 in /usr/local/lib/python3.10/dist-packages (from matplotlib->wordcloud) (1.1.1)
Requirement already satisfied: cyclor>=0.10 in /usr/local/lib/python3.10/dist-packages (from matplotlib->wordcloud) (0.12.1)
Requirement already satisfied: fonttools>=4.22.0 in /usr/local/lib/python3.10/dist-packages (from matplotlib->wordcloud) (4.43.1)

```
[113]: from wordcloud import WordCloud

# Tomar diccionario palabras el cual contiene {word, count}, y asi WordCloud()
↳ encuentre las frecuencias

# Crear un objeto WordCloud
wordcloud = WordCloud(width=800, height=400, background_color='white',
↳ colormap='viridis').generate_from_frequencies(palabras)

plt.figure(figsize=(10, 5))

# Mostrar la nube de palabras en la figura
plt.imshow(wordcloud, interpolation='bilinear')
plt.axis('off') # Ocultar los ejes

plt.show()
```

