Word Frequency Distribution in Text Document

# Python Code

import string  
from collections import Counter  
  
with open("sample\_text.txt", "r", encoding="utf-8") as file:  
 text = file.read()  
  
text = text.lower()  
text = text.translate(str.maketrans("", "", string.punctuation))  
words = text.split()  
  
word\_freq = Counter(words)  
  
print("Top 10 most common words:")  
for word, freq in word\_freq.most\_common(10):  
 print(f"{word}: {freq}")

# Program Output (Top 10 Words)

is: 3

of: 3

natural: 2

language: 2

nlp: 2

a: 2

that: 2

the: 2

and: 2

processing: 1