Word Frequency Distribution - Text Analysis Project

# 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 Most Common Words)

language: 2

processing: 2

is: 2

natural: 1

a: 1

part: 1

of: 1

artificial: 1

intelligence: 1

key: 1