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In [3]: import requests
from bs4 import BeautifulSoup
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

# Fetch the webpage
url = 'https://example.com'
response = requests.get(url)

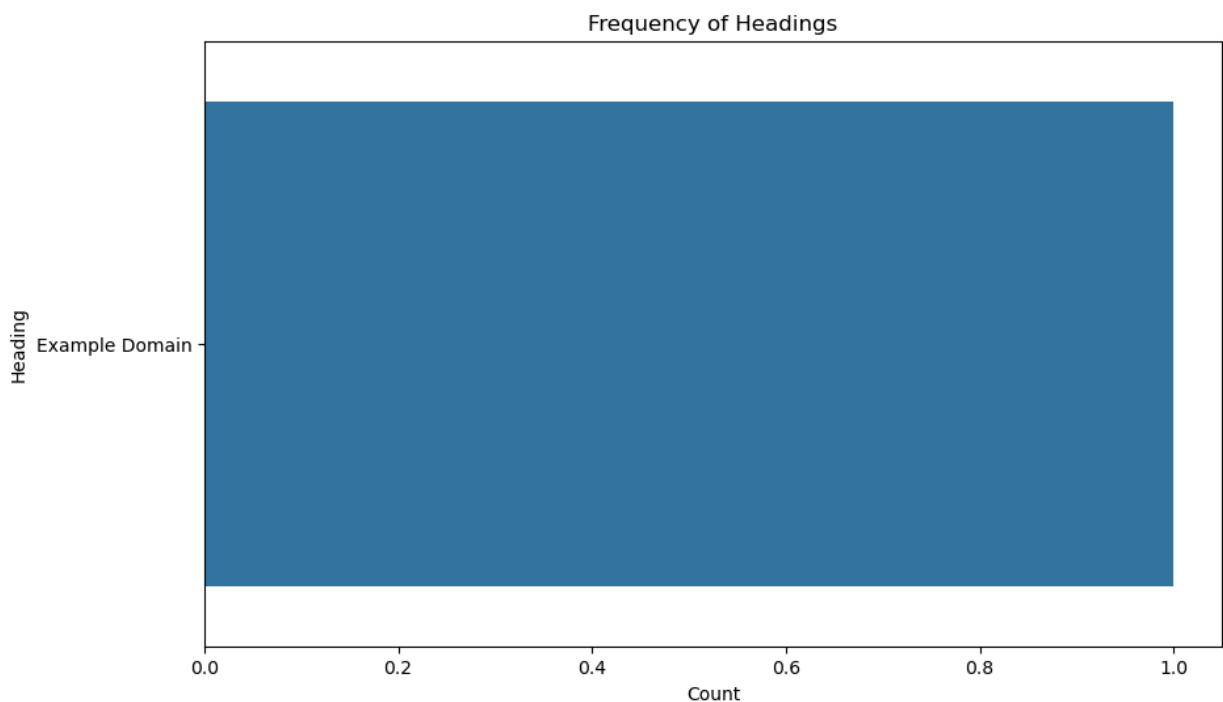
# Parse the HTML
soup = BeautifulSoup(response.text, 'html.parser')

# Extract data (replace this with your own logic)
# Example: Extract all headings from the webpage
headings = [heading.text for heading in soup.find_all(['h1', 'h2', 'h3', 'h4', 'h5', 'h6'])]

# Perform basic data analytics
# Create a DataFrame from the extracted data
df = pd.DataFrame({'Heading': headings})

# Data cleaning (if necessary)
# Example: Remove duplicate headings
df = df.drop_duplicates().reset_index(drop=True)

# Data visualization
# Example: Plot the frequency of each heading
plt.figure(figsize=(10, 6))
sns.countplot(y='Heading', data=df, order=df['Heading'].value_counts().index)
plt.title('Frequency of Headings')
plt.xlabel('Count')
plt.ylabel('Heading')
plt.show()
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In [ ]:

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