

[207]Write a Python function that takes a string as input and extracts all the emojis present in the text and create a bar chart or word cloud showing the frequency of each emoji

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In [2]: import re
        from collections import Counter
        import matplotlib.pyplot as plt
        from wordcloud import WordCloud

        # Function to extract emojis from text
        def extract_emojis(text):
            emoji_pattern = re.compile("[
                u"\U0001F600-\U0001F64F" # emoticons
                u"\U0001F300-\U0001F5FF" # symbols & pictograph
                u"\U0001F680-\U0001F6FF" # transport & map symbols
                u"\U0001F1E0-\U0001F1FF" # flags (iOS)
            ]+", flags=re.UNICODE)

            return emoji_pattern.findall(text)

        # Function to create a bar chart of emoji frequencies
        def plot_emoji_frequencies(emoji_list):
            emoji_counts = Counter(emoji_list)
            emojis, counts = zip(*emoji_counts.items())
            plt.bar(emojis, counts)
            plt.xlabel('Emojis')
            plt.ylabel('Frequency')
            plt.title('Emoji Frequency')
            plt.show()

        # Function to create a word cloud of emoji frequencies
        def create_emoji_wordcloud(emoji_list):
            emoji_counts = Counter(emoji_list)
            wordcloud = WordCloud(width=800, height=400, background_color='white',
            plt.imshow(wordcloud, interpolation='bilinear')
            plt.axis('off')
            plt.show()

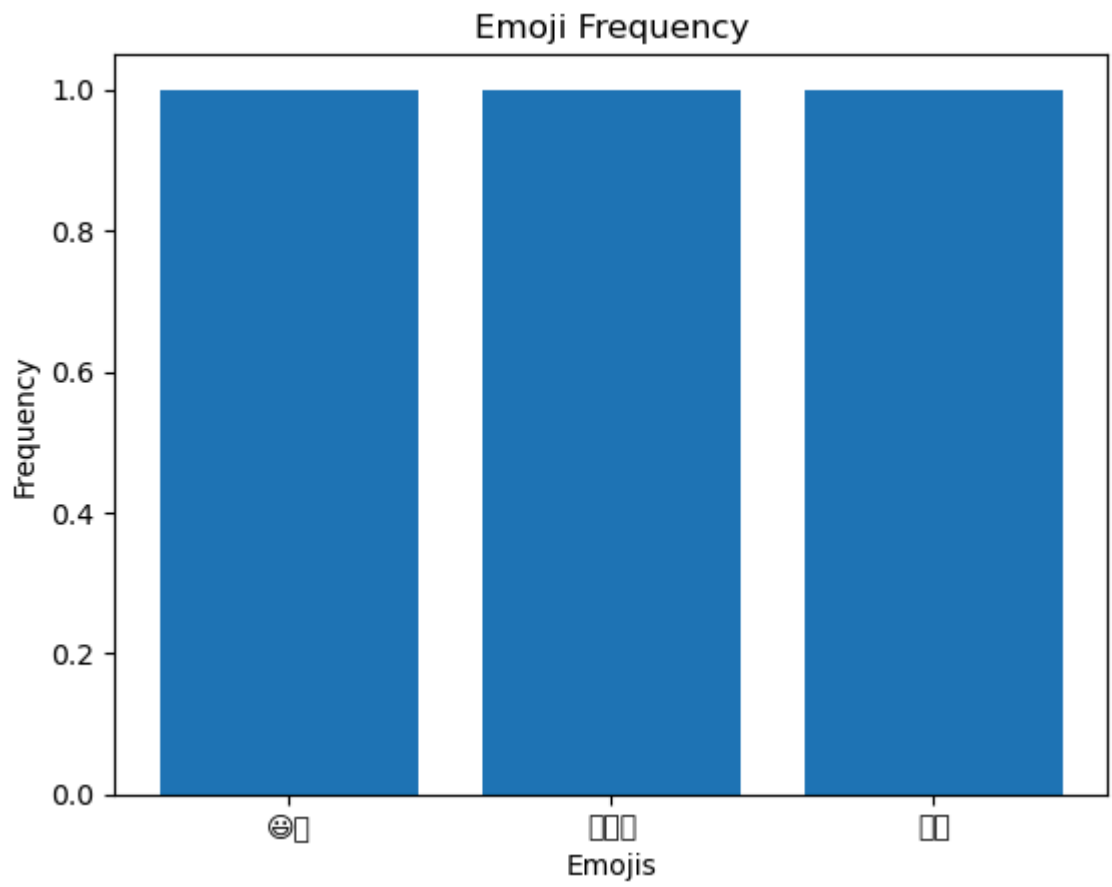
        # Example usage
        text = "I love programming! 🤖👨🏻💻📺📺 Let's write some Python code! 🚀🌟"
        emoji_list = extract_emojis(text)
        plot_emoji_frequencies(emoji_list)
        create_emoji_wordcloud(emoji_list)

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C:\Users\Pooja Reddy\anaconda3\Lib\site-packages\IPython\core\pylabtools.p
y:152: UserWarning: Glyph 128104 (\N{MAN}) missing from current font.
    fig.canvas.print_figure(bytes_io, **kw)
C:\Users\Pooja Reddy\anaconda3\Lib\site-packages\IPython\core\pylabtools.p
y:152: UserWarning: Glyph 128187 (\N{PERSONAL COMPUTER}) missing from curr
ent font.
    fig.canvas.print_figure(bytes_io, **kw)
C:\Users\Pooja Reddy\anaconda3\Lib\site-packages\IPython\core\pylabtools.p
y:152: UserWarning: Glyph 128218 (\N{BOOKS}) missing from current font.
    fig.canvas.print_figure(bytes_io, **kw)
C:\Users\Pooja Reddy\anaconda3\Lib\site-packages\IPython\core\pylabtools.p
y:152: UserWarning: Glyph 128013 (\N{SNAKE}) missing from current font.
    fig.canvas.print_figure(bytes_io, **kw)
C:\Users\Pooja Reddy\anaconda3\Lib\site-packages\IPython\core\pylabtools.p
y:152: UserWarning: Glyph 128640 (\N{ROCKET}) missing from current font.
    fig.canvas.print_figure(bytes_io, **kw)

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