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import pandas as pd
import matplotlib.pyplot as plt

# Load the CSV file into a DataFrame
file_path = '/mnt/data/Data analysis project survey.csv'
df = pd.read_csv(file_path)

# Function to plot bar charts for the survey questions
def plot_bar_chart(column_name, title, xlabel, ylabel):
    counts = df[column_name].value_counts()
    plt.figure(figsize=(10, 6))
    counts.plot(kind='bar')
    plt.title(title)
    plt.xlabel(xlabel)
    plt.ylabel(ylabel)
    plt.xticks(rotation=45)
    plt.show()

# Plotting all the charts
plot_bar_chart('How often do you participate in online classes?',
               'Participation Frequency in Online Classes',
               'Frequency',
               'Number of Responses')

plot_bar_chart('On a scale of 1 to 5, how engaging do you find online
classes compared to traditional in-person classes?',
               'Engagement Level of Online Classes Compared to Traditional In-
Person Classes',
               'Engagement Level (1 to 5)',
               'Number of Responses')

plot_bar_chart('Do you feel that online classes have affected your
academic performance positively, negatively, or not at all?',
               'Impact of Online Classes on Academic Performance',
               'Impact',
               'Number of Responses')

plot_bar_chart('How satisfied are you with the level of interaction
and communication with your professors in online classes?',
               'Satisfaction with Interaction and Communication in Online
Classes',
               'Satisfaction Level',
               'Number of Responses')

plot_bar_chart('Do you think online learning has improved your self-
discipline and time management skills?\n',

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    'Improvement in Self-Discipline and Time Management Skills Due to  
Online Learning',  
    'Improvement',  
    'Number of Responses')  
  
plot_bar_chart('Overall, how would you rate your online learning  
experience?',  
    'Overall Rating of Online Learning Experience',  
    'Rating',  
    'Number of Responses')
```