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import pandas as pd

import matplotlib.pyplot as plt

import seaborn as sns

# Load the Planets dataset

planets\_url = 'https://raw.githubusercontent.com/mwaskom/seaborn-data/master/planets.csv'

planets\_data = pd.read\_csv(planets\_url)

# Extract the mass data

masses = planets\_data['mass'].dropna() # Drop missing values

# Set the figure size and style

plt.figure(figsize=(16, 8))

sns.set(style="whitegrid")

# Create a histogram for the distribution of masses

plt.subplot(1, 2, 1)

sns.histplot(masses, bins=30, kde=True, color='blue')

plt.title('Distribution of Planet Masses', fontsize=16)

plt.xlabel('Mass (Jupiter Masses)', fontsize=14)

plt.ylabel('Frequency', fontsize=14)

plt.xticks(fontsize=12)

plt.yticks(fontsize=12)

# Create a box plot for the distribution of masses

plt.subplot(1, 2, 2)

sns.boxplot(x=masses, color='green')

plt.title('Box Plot of Planet Masses', fontsize=16)

plt.xlabel('Mass (Jupiter Masses)', fontsize=14)

plt.yticks([]) # Hide the y-axis ticks for the box plot

plt.xticks(fontsize=12)

# Adjust the layout to prevent overlapping

plt.tight\_layout()

# Show the plots

plt.show()

OUTPUT

