```
# Install necessary libraries
pip install google-auth google-auth-oauthlib google-auth-httplib2 google-api-python-client
matplotlib

# Import required libraries
from google.oauth2 import service_account
from googleapiclient.discovery import build
import pandas as pd
import requests
from io import StringIO, BytesIO  # For handling CSV and Excel files

# Set up service account credentials and API scope
SERVICE_ACCOUNT_FILE =
"C:\\Users\\acer\\Downloads\\drive-bridge-financial-data-e21f827ecd9b.json"
SCOPES = ['https://www.googleapis.com/auth/drive.readonly']

# Authenticate and create a Google Drive service object
credentials = service_account.Credentials.from_service_account_file(
    SERVICE_ACCOUNT_FILE, scopes=SCOPES)
service = build('drive', 'v3', credentials=credentials)

# Define the folder ID of the Google Drive folder to access
FOLDER_ID = '15UYA2eHZpuVPtGsmmJ0b5g4UGEXjRZaG'

# Function to list files in a specified folder
def list_files(service, folder_id):
    results = service.files().list(
        q=f"'{folder_id}' in parents",
        fields="files(id, name, mimeType)"
    ).execute()
    return results.get('files', [])

# Fetch the list of files in the folder
files = list_files(service, FOLDER_ID)

# Initialize a list to store dataframes
file_dataframes = []

# Process each file based on its MIME type
for file in files:
    file_id = file['id']
    file_name = file['name']
    mime_type = file['mimeType']
    # Generate download URL based on file type
    if mime_type == 'application/vnd.google-apps.spreadsheet':  # Google Sheets
        download_url = f"https://docs.google.com/spreadsheets/d/{file_id}/export?format=csv"
    elif mime_type == 'text/csv':  # CSV files
        download_url = f"https://drive.google.com/uc?export=download&id={file_id}"
    elif mime_type == 'application/vnd.openxmlformats-officedocument.spreadsheetml.sheet':  #
Excel files
        download_url = f"https://drive.google.com/uc?export=download&id={file_id}"
    else:
        continue  # Skip unsupported file types

    # Download and read the file content into a pandas dataframe
    response = requests.get(download_url)
    if response.status_code == 200:
        if mime_type == 'application/vnd.openxmlformats-officedocument.spreadsheetml.sheet':
            # Handle Excel files using BytesIO
            df = pd.read_excel(BytesIO(response.content))
        else:
            # Handle CSV files
            df = pd.read_csv(StringIO(response.content.decode('utf-8')))
        file_dataframes.append(df)
    else:
        print(f"Error downloading file: {file_name}")

# Combine all dataframes into a single dataframe
if file_dataframes:
    combined_df = pd.concat(file_dataframes, ignore_index=True)
```