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import gspread
import pdfplumber
import pandas as pd
from oauth2client.service_account import ServiceAccountCredentials

# Function to extract data from pdf
def extract_data_from_pdf(pdf_path):
    extracted_data =[]
    with pdfplumber.open(pdf_path) as pdf:
        for page in pdf.pages:
            text = page.extract_text()
            if text:
                extracted_data.append(text)
    return extracted_data

# Function to upload data to Google Sheet
def  upload_to_google_sheet(data,spreadsheet_id,creds_json):
    # Authorize the client
    scope = [
        "https://spreadsheets.google.com/feeds",
        "https://www.googleapis.com/auth/drive"
    ]
    creds =
ServiceAccountCredentials.from_json_keyfile_name(creds_json,scope)
    client = gspread.authorize(creds)

    # Open Google Sheet by ID
    sheet = client.open_by_key(spreadsheet_id)
    worksheet =sheet.get_worksheet(0)

    # Format the data into a table_like structure for uploading
    df = pd.DataFrame({'Extarcted Data' : data})

    # Update the sheet with extracted data
    worksheet.update([df.columns.values.tolist()]+df.values.tolist())
    print("Data uploaded successfully!")

# Main Execution
if __name__ == "__main__":
    # Provide the paths
    pdf_path = r"C:\NISHANT\Skill Academy\Statistics\Probability
Distributions & Central Limit Theorem\Normal Distribution\Normal
Distribution - Notes.pdf"
    creds_json = r"C:\Users\Nishant shah\OneDrive\Desktop\Numpy\
subtle-reserve-441716-r6-6e49d5b4ced4.json"

    # Google Sheet Id
    spreadsheet_id = '1XHHk7PyxbOyN-qpRkQ499348U7lz4RjA_h0T3oICe_Q'

    # Extract and upload data
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    extracted_data = extract_data_from_pdf(pdf_path)
    if extracted_data:

upload_to_google_sheet(extracted_data,spreadsheet_id,creds_json)
    else:
        print("No data found in the pdf")


Data uploaded successfully!
```