# Pizza Sales Dashboard Project

import pandas as pd

import matplotlib.pyplot as plt

from pptx import Presentation

from pptx.util import Inches

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# 1. Create Sample Dataset

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data = {

'Pizza\_Name': ['Margherita', 'Farmhouse', 'Peppy Paneer', 'Mexican Green Wave',

'Deluxe Veggie', 'Chicken Golden Delight', 'Non Veg Supreme', 'Veg Extravaganza'],

'Category': ['Veg', 'Veg', 'Veg', 'Veg', 'Veg', 'Non-Veg', 'Non-Veg', 'Veg'],

'Quantity\_Sold': [520, 410, 380, 300, 250, 290, 270, 330],

'Price\_per\_Pizza': [250, 300, 320, 340, 360, 400, 420, 380]

}

df = pd.DataFrame(data)

df['Total\_Revenue'] = df['Quantity\_Sold'] \* df['Price\_per\_Pizza']

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# 2. Data Summary

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total\_sales = df['Quantity\_Sold'].sum()

total\_revenue = df['Total\_Revenue'].sum()

top\_pizza = df.loc[df['Total\_Revenue'].idxmax(), 'Pizza\_Name']

print("Total Pizzas Sold:", total\_sales)

print("Total Revenue (₹):", total\_revenue)

print("Top Selling Pizza:", top\_pizza)

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# 3. Visualizations

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# Bar Graph - Top Selling Pizzas

plt.figure(figsize=(10,6))

plt.bar(df['Pizza\_Name'], df['Total\_Revenue'], color='tomato')

plt.title("Top Selling Pizzas by Revenue")

plt.xlabel("Pizza Type")

plt.ylabel("Total Revenue (₹)")

plt.xticks(rotation=45)

plt.tight\_layout()

plt.savefig("/mnt/data/pizza\_sales\_bar.png")

plt.close()

# Pie Chart - Revenue Share by Category

category\_data = df.groupby('Category')['Total\_Revenue'].sum()

plt.figure(figsize=(7,7))

plt.pie(category\_data, labels=category\_data.index, autopct='%1.1f%%', startangle=90, colors=['gold','lightcoral'])

plt.title("Revenue Share by Category")

plt.tight\_layout()

plt.savefig("/mnt/data/pizza\_sales\_pie.png")

plt.close()

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# 4. Create PowerPoint

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prs = Presentation()

# Slide 1 - Title

slide1 = prs.slides.add\_slide(prs.slide\_layouts[0])

slide1.shapes.title.text = "Pizza Sales Dashboard"

slide1.placeholders[1].text = "A Business Analyst Report using Python Visualization"

# Slide 2 - Dataset Table

slide2 = prs.slides.add\_slide(prs.slide\_layouts[5])

slide2.shapes.title.text = "Dataset Overview"

rows, cols = df.shape

table = slide2.shapes.add\_table(rows+1, cols, Inches(0.5), Inches(1.5), Inches(9), Inches(4)).table

for i, col\_name in enumerate(df.columns):

table.cell(0, i).text = col\_name

for r in range(rows):

for c in range(cols):

table.cell(r+1, c).text = str(df.iloc[r, c])

# Slide 3 - Bar Chart

slide3 = prs.slides.add\_slide(prs.slide\_layouts[5])

slide3.shapes.title.text = "Top Selling Pizzas by Revenue"

slide3.shapes.add\_picture("/mnt/data/pizza\_sales\_bar.png", Inches(1), Inches(1.5), Inches(8), Inches(4.5))

# Slide 4 - Pie Chart

slide4 = prs.slides.add\_slide(prs.slide\_layouts[5])

slide4.shapes.title.text = "Revenue Share by Category"

slide4.shapes.add\_picture("/mnt/data/pizza\_sales\_pie.png", Inches(1), Inches(1.5), Inches(8), Inches(4.5))

# Slide 5 - Key Insights

slide5 = prs.slides.add\_slide(prs.slide\_layouts[1])

slide5.shapes.title.text = "Business Insights"

slide5.placeholders[1].text = (

f"- Total Pizzas Sold: {total\_sales}\n"

f"- Total Revenue: ₹{total\_revenue}\n"

f"- Top Selling Pizza: {top\_pizza}\n"

"- Veg pizzas contribute the majority of sales.\n"

"- Focus on premium non-veg pizzas to increase revenue share."

)

pptx\_path = "/mnt/data/Pizza\_Sales\_Dashboard.pptx"

prs.save(pptx\_path)

print("\n✅ PowerPoint 'Pizza\_Sales\_Dashboard.pptx' created successfully!")

pptx\_path