

```
import pandas as pd
import matplotlib.pyplot as plt

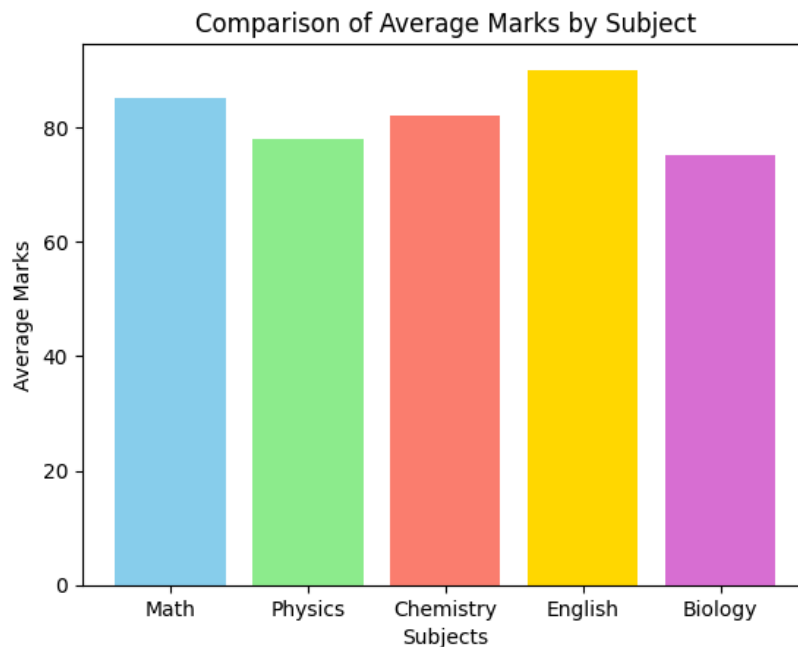
# Load dataset
data = pd.read_csv("student_marks.csv")

# Plot bar chart
plt.bar(data['Subject'], data['Average Marks'], color=['skyblue', 'lightgreen', 'salmon', 'gold', 'orchid'])

# Add labels and title
plt.xlabel("Subjects")
plt.ylabel("Average Marks")
plt.title("Comparison of Average Marks by Subject")

# Display chart
plt.show()

# Insights
max_subject = data.loc[data['Average Marks'].idxmax(), 'Subject']
min_subject = data.loc[data['Average Marks'].idxmin(), 'Subject']
print(f"Easiest Subject: {max_subject}")
print(f"Toughest Subject: {min_subject}")
```



Easiest Subject: English
Toughest Subject: Biology

```
import pandas as pd
import matplotlib.pyplot as plt

# Load dataset
data = pd.read_csv("sales_category.csv")

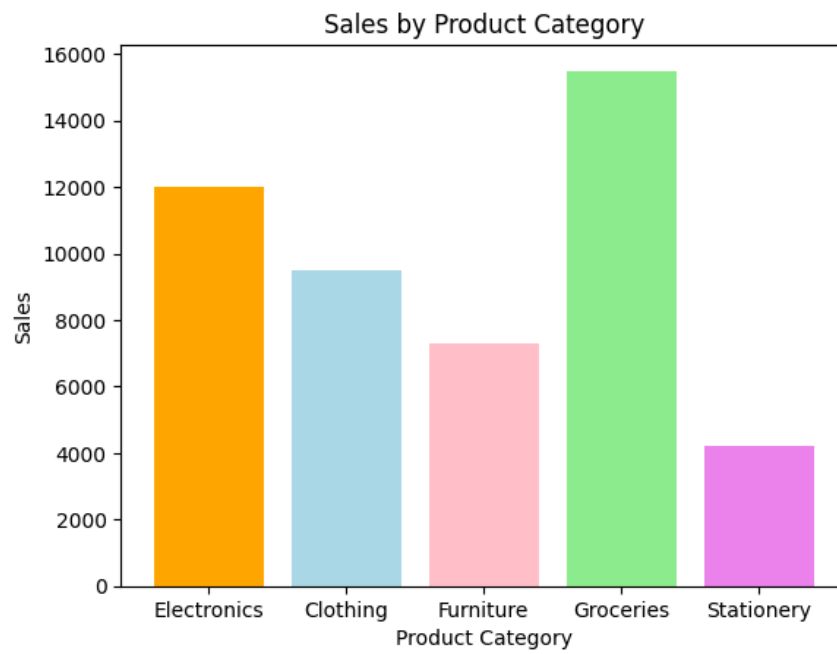
# Plot bar chart
plt.bar(data['Category'], data['Sales'], color=['orange', 'lightblue', 'pink', 'lightgreen', 'violet'])

# Add labels and title
plt.xlabel("Product Category")
plt.ylabel("Sales")
plt.title("Sales by Product Category")

# Display chart
plt.show()

# Insights
best_category = data.loc[data['Sales'].idxmax(), 'Category']
print(f"Best-Selling Category: {best_category}")
```





Best-Selling Category: Groceries