```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
# Load dataset
df = pd.read_csv("Medicaldataset.csv")
# Set style
sns.set(style="whitegrid")
# 1. Distribution of Age
plt.figure(figsize=(8, 5))
sns.histplot(df["Age"], kde=True, color="skyblue")
plt.title("Age Distribution")
plt.xlabel("Age")
plt.ylabel("Frequency")
plt.show()
# 2. Heart Rate vs Blood Pressure (Systolic)
plt.figure(figsize=(8, 5))
sns.scatterplot(data=df, x="Heart rate", y="Systolic blood pressure", hue="Result")
plt.title("Heart Rate vs Systolic BP")
plt.show()
#3. Boxplot of Troponin by Result
plt.figure(figsize=(8, 5))
sns.boxplot(data=df, x="Result", y="Troponin", palette="pastel")
plt.title("Troponin Levels by Result")
plt.show()
#4. Count plot of Result
```

```
plt.figure(figsize=(6, 4))

sns.countplot(data=df, x="Result", palette="Set2")

plt.title("Count of Diagnosis Results")

plt.show()

# 5. Correlation Heatmap

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

numeric_cols = df.select_dtypes(include=["float64", "int64"]).columns

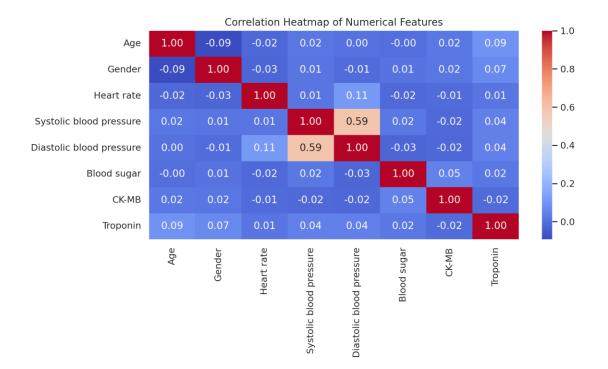
corr = df[numeric_cols].corr()

sns.heatmap(corr, annot=True, cmap="coolwarm", fmt=".2f")

plt.title("Correlation Heatmap of Numerical Features")

plt.show()
```

OUTPUT:



Count of Diagnosis Results

