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# -----  
# Pairplot & Heatmap Visualization  
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import pandas as pd  
import seaborn as sns  
import matplotlib.pyplot as plt  
from google.colab import files  
  
# Upload and read datasets  
uploaded = files.upload()  
train = pd.read_csv("train.csv")  
  
# ✅ Pairplot – Relationships between numeric columns  
sns.pairplot(train[['Survived', 'Pclass', 'Age', 'Fare']], hue='Survived')  
plt.suptitle("Pairplot: Relationships between Variables", y=1.02)  
plt.show()  
  
# ✅ Heatmap – Correlation between variables  
plt.figure(figsize=(8,6))  
sns.heatmap(train.select_dtypes(include=['number']).corr(), annot=True, cmap='coolwarm')  
plt.title("Heatmap: Correlation Matrix")  
plt.show()
```

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Saving train.csv to train (1).csv

Pairplot: Relationships between Variables

