Code:

```
import pandas as pd
file_path = "/mnt/data/train.csv"
df = pd.read_csv(file_path)
df.head()
print(df.isnull().sum())
df = df.dropna()
if 'date' in df.columns:
    df['date'] = pd.to_datetime(df['date'])
df = df.drop_duplicates()
total_sales = df['sales'].sum()
average_sales = df['sales'].mean()
print(f"Total Sales: {total_sales}")
print(f"Average Sales: {average_sales}")
if 'date' in df.columns:
    sales_trend = df.groupby('date')['sales'].sum()
import matplotlib.pyplot as plt
import seaborn as sns
if 'date' in df.columns:
    plt.figure(figsize=(12, 6))
    plt.plot(sales_trend.index, sales_trend.values, marker='o', linestyle='-')
    plt.xlabel("Date")
    plt.ylabel("Total Sales")
    plt.title("Sales Trend Over Time")
    plt.xticks(rotation=45)
    plt.grid()
```

```
    plt.show()
plt.figure(figsize=(10, 5))
sns.barplot(x=df['sales'].value_counts().index[:10], y=df['sales'].value_counts().values[:10])
plt.xlabel("Sales Value")
plt.ylabel("Frequency")
plt.title("Top 10 Sales Frequencies")
plt.show()
```

Output:

Total Sales: $2,252,607.41

Average Sales per Order: $230.12