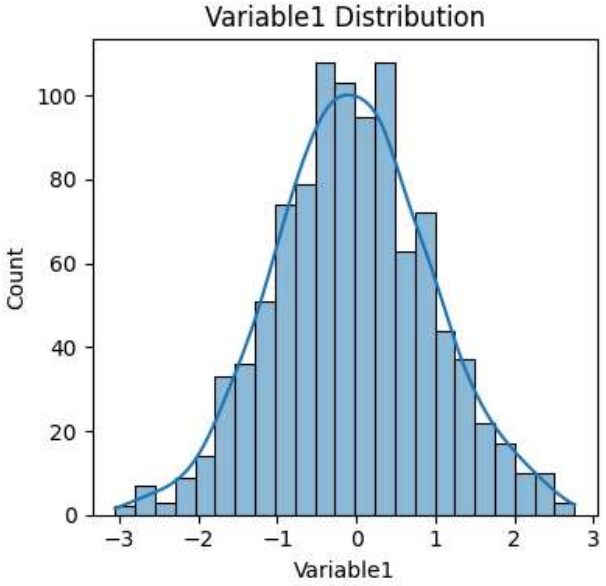
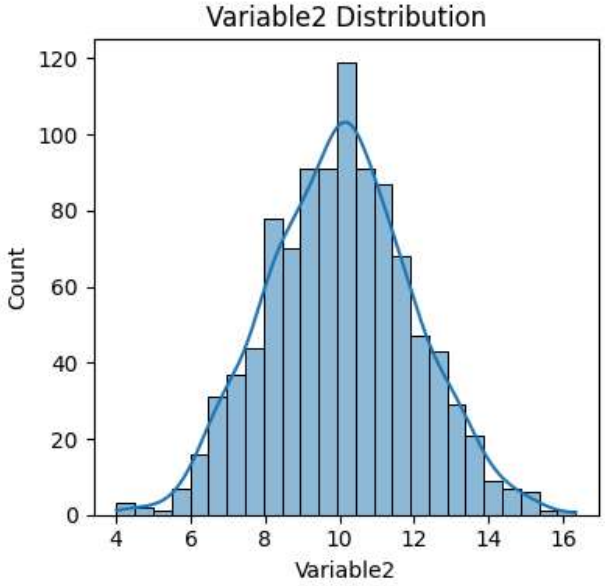
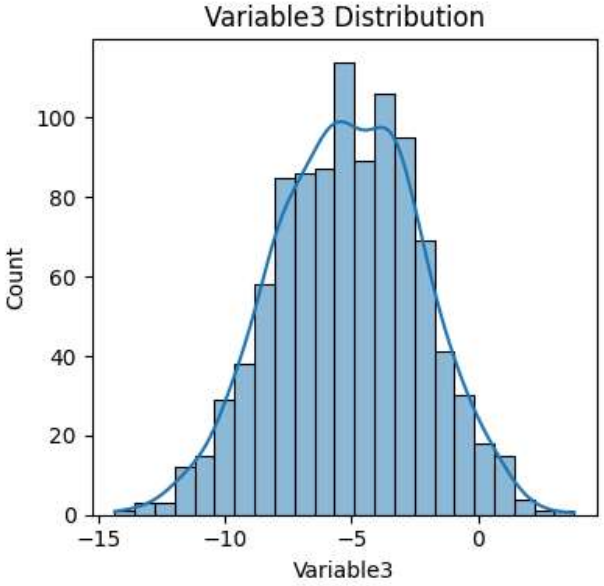
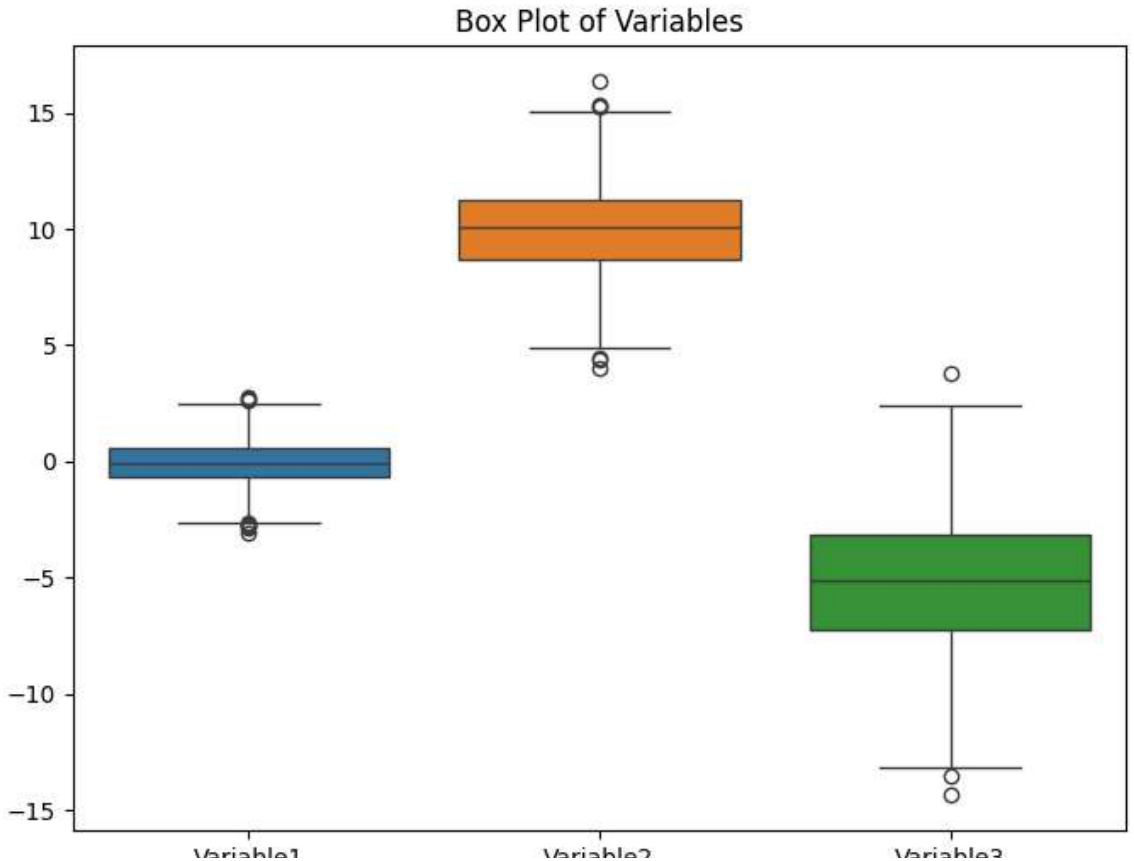
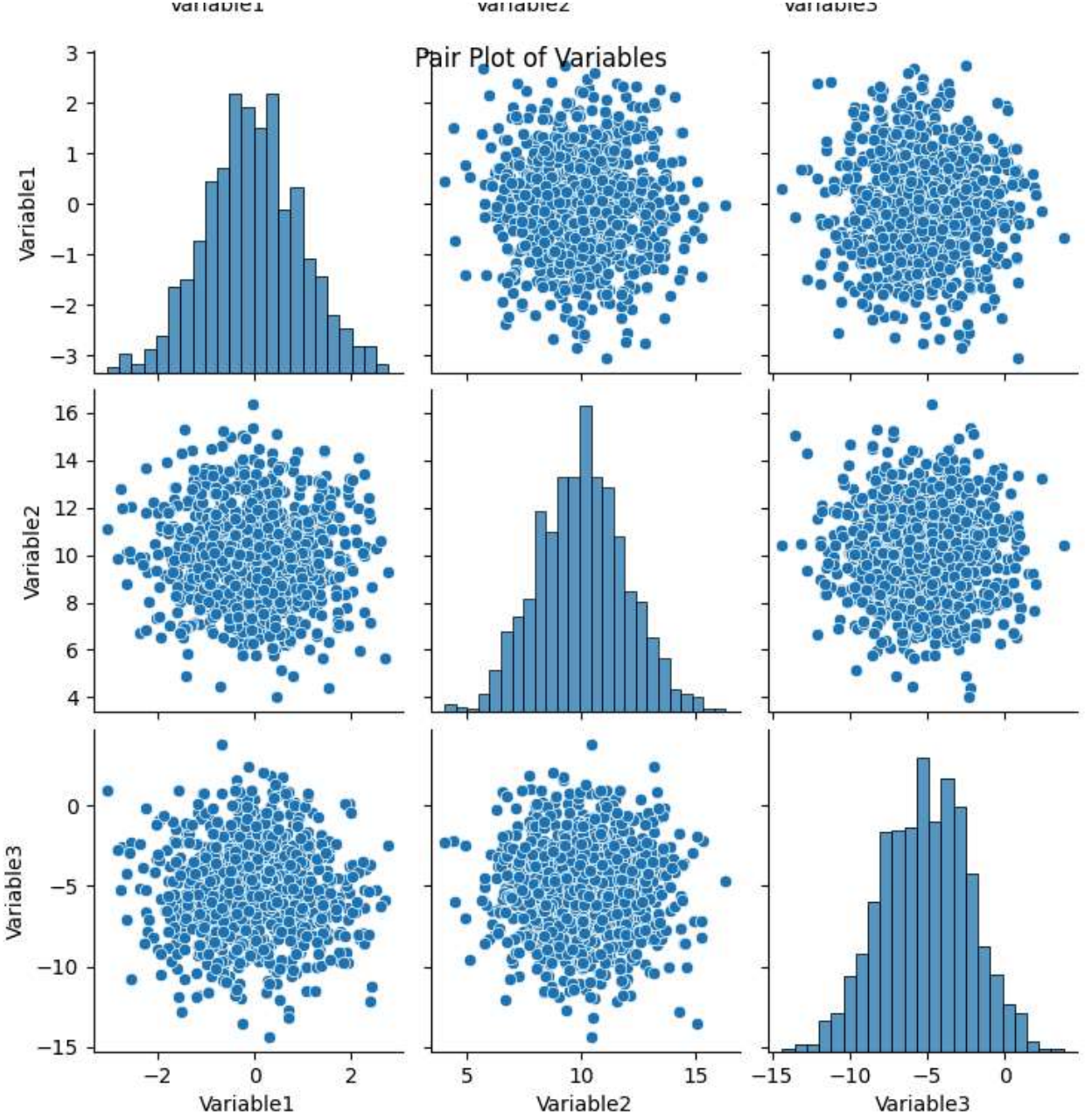
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

# Sample data generation
np.random.seed(0)
data = pd.DataFrame({
    'Variable1': np.random.normal(loc=0, scale=1, size=1000),
    'Variable2': np.random.normal(loc=10, scale=2, size=1000),
    'Variable3': np.random.normal(loc=-5, scale=3, size=1000)
})

# Visualizations
plt.figure(figsize=(12, 4))

# Histograms
for i, col in enumerate(data.columns):
    plt.subplot(1, 3, i+1)
    sns.histplot(data[col], kde=True)
    plt.title(f'{col} Distribution')

plt.tight_layout()
plt.show()

# Box plots
plt.figure(figsize=(8, 6))
sns.boxplot(data=data)
plt.title('Box Plot of Variables')
plt.show()

# Scatter plot matrix
sns.pairplot(data)
plt.suptitle('Pair Plot of Variables')
plt.show()

# Correlation matrix heatmap
plt.figure(figsize=(8, 6))
sns.heatmap(data.corr(), annot=True, cmap='coolwarm', fmt=".2f")
plt.title('Correlation Matrix Heatmap')
plt.show()
```


Variable1 Distribution
Count
Variable1

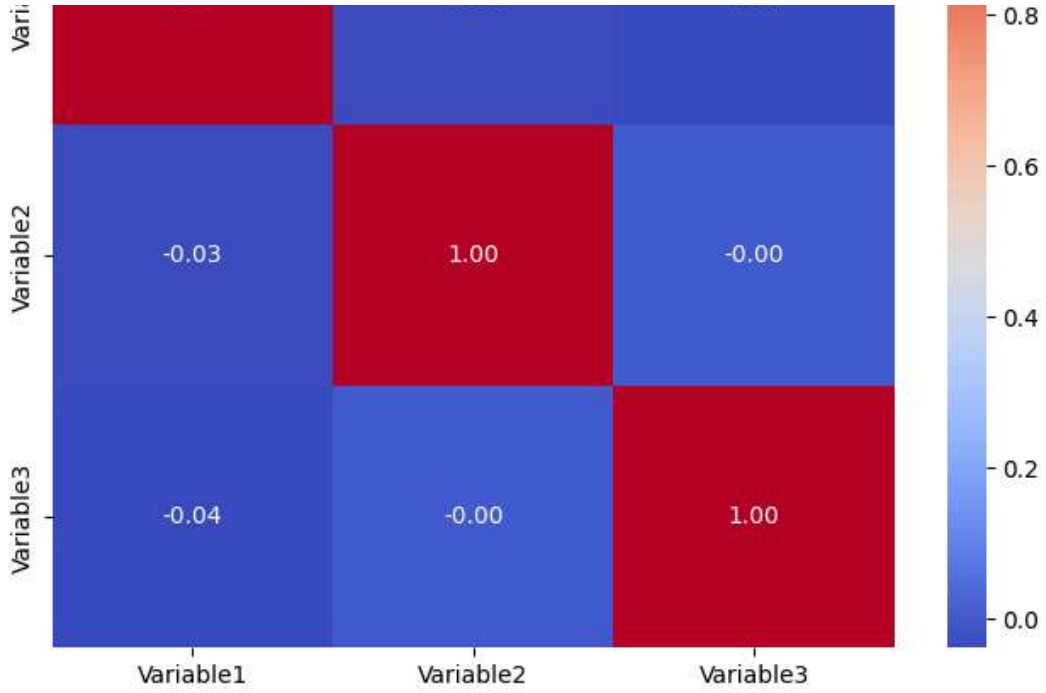

Variable2 Distribution
Count
Variable2


Variable3 Distribution
Count
Variable3


Box Plot of Variables
Variable1
Variable2
Variable3


Pair Plot of Variables
Variable1
Variable2
Variable3


Correlation Matrix Heatmap
able1
1.00
-0.03
-0.04
1.0


Vari
Variable2
Variable3
-0.03
1.00
-0.00
-0.04
-0.00
1.00
Variable1
Variable2
Variable3
0.8
0.6
0.4
0.2
0.0