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# import python packages
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt

# Example dataset with outliers
data_with_outliers = np.array([1, 2, 3, 4, 5, 6, 7, 100, 200, 250, 1000])

# Define a threshold for outlier removal
threshold = 100

# Remove outliers
cleaned_data = data_with_outliers[data_with_outliers < threshold]

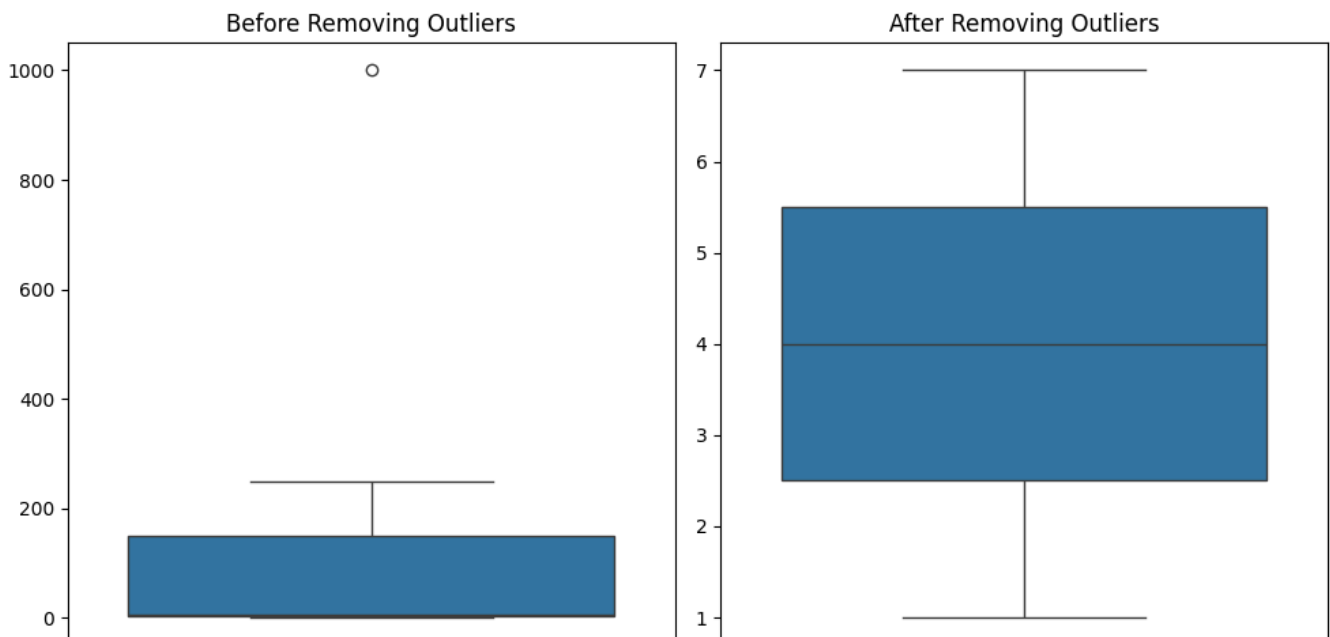
# Visualize data before and after outlier removal
plt.figure(figsize=(10, 5))

# Before outlier removal
plt.subplot(1, 2, 1)
sns.boxplot(y=data_with_outliers)
plt.title('Before Removing Outliers')

# After outlier removal
plt.subplot(1, 2, 2)
sns.boxplot(y=cleaned_data)
plt.title('After Removing Outliers')

plt.tight_layout()
plt.show()

```



```
print("Original data:", data_with_outliers)
```

```
print("cleaned data:", cleaned_data)
```

```
Original data: [ 1  2  3  4  5  6  7 100 200 250 1000]  
cleaned data: [1 2 3 4 5 6 7]
```