```
# import modules
import numpy as np
from scipy import stats

# plotting modules
import seaborn as sns
import matplotlib.pyplot as plt

# generate non-normal data (exponential)
original_data = np.random.exponential(size = 1000)

# transform training data & save lambda value
fitted_data, fitted_lambda = stats.boxcox(original_data)

# creating axes to draw plots
fig, ax = plt.subplots(1, 2)

# plotting the original data(non-normal) and
# fitted data (normal)
sns.distplot(original_data, hist = False, kde = True,
             kde_kws = {'shade': True, 'linewidth': 2},
             label = "Non-Normal", color ="green", ax = ax[0])

sns.distplot(fitted_data, hist = False, kde = True,
             kde_kws = {'shade': True, 'linewidth': 2},
             label = "Normal", color ="green", ax = ax[1])

# adding legends to the subplots
plt.legend(loc = "upper right")

# rescaling the subplots
fig.set_figheight(5)
fig.set_figwidth(10)

print(f"Lambda value used for Transformation: {fitted_lambda}")

```

```
/usr/local/lib/python3.6/dist-packages/statsmodels/tools/_testing.py:19: FutureWarning: pandas.util.testing is deprecat
  import pandas.util.testing as tm
Lambda value used for Transformation: 0.25360382323748093
```