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import numpy as np
import pandas as pd
import scipy.stats as stats
import matplotlib.pyplot as plt
import statsmodels.api as sm
from scipy.stats import f_oneway
from scipy.stats import chi2_contingency
from statsmodels.formula.api import ols
data=pd.read_excel("C:/Users/ELCOT/Documents/dettol worldwide sales data 2.xlsx")
data.columns=("Before_LD(2012-2018)", "After_LD(2019-2025)")
data.head()
plt.boxplot(data)
plt.hist(data)
data.isnull().sum()
print(data["Before_LD(2012-2018)"].unique())
p = 0.95
alpha = 1.0 - p
print('The alpha/significance level = %.3f' % alpha)
print('The p-value is = %.2f' % p)
if p <= alpha:</pre>
    print('Reject the Null Hypothesis (Reject H0)')
else:
    print('Accept the Null Hypothesis (Do not reject H0)')
The alpha/significance level = 0.050
The p-value is = 0.95
Accept the Null Hypothesis (Do not reject H0)
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