```
shap_test_stat, shap_test_p  = shapiro(freq)
print('Shapiro-Wilk test statistic: ',shap_test_stat)
print('Shapiro-Wilk test p-value: ',shap_test_p)
anderson_darling = anderson(freq,dist='norm')

amend_and = anderson_darling[0]*(1 + (0.75/len(freq)) + (2.25/(len(freq)**2)))
ander_p = 0
if (amend_and >= 0.6):
   ander_p = np.exp(1.2937 - 5.709*amend_and + 0.0186*(amend_and**2))
elif (0.34 <= amend_and < 0.6):
   ander_p = np.exp(0.9177 - 4.279*amend_and - 1.38*(amend_and**2))
elif (0.2 < amend_and < 0.34):
   ander_p = 1-np.exp(-8.318 + 42.796*amend_and - 59.938*(amend_and**2))
else:
   ander_p = 1-np.exp(-13.436 + 101.14*amend_and - 223.73*(amend_and**2))
print('Anderson-Darling test statistic: ',amend_and)
print('Anderson-Darling test p-value: ',ander_p)
```