

Results

n: 5000 sample size

x: 0.000261342 sample average

median: 0.000801 sample median

S: 0.250116 sample standard deviation

SS: 312.728111 Sum of Squares

b: 17.681503 b statistic

skewness: -0.00110469 potentially symmetrical (z=0)

Excess kurtosis: -0.0683631 potentially mesokurtic, normal like tailes

p-value: 0.718649 the probability the data was sampled from a normal distribution

Outliers -0.855722,-0.822 observation point that is distant from other observations



Results of NIST Tests

Shapiro-Wilk test, using right tailed normal distribution

1. H₀ hypothesis

Since p-value > α , we accept the H_0 .

It is assumed that the data is normally distributed.

In other words, the difference between the data sample and the normal distribution is not big enough to be statistically significant.

2. P-value

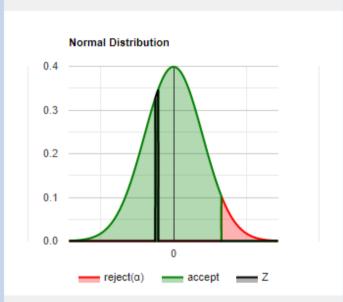
p-value is 0.718649, hence, if we would reject H₀, the chance of type1 error (rejecting a correct H₀) would

be too high: 0.7186 (71.86%)

The larger the p-value, the more it supports H₀

3. The statistics

W is **0.999704**. It is in the 95% critical value accepted range: [0.9993 : 1.0000]



Value Range

