

Shapiro Wilk test for normality

Question 5

Purpose : test if the variable X is normally distributed, an important consideration for a lot of statistical procedures.

Hypothesis

H_0 : Sample is drawn from a population that is normally distributed

H_1 : - - - - - from a population that is not normally distributed.

Conclusion

$p\text{-value} = 0.6671$

above the threshold of 0.05

we fail to reject H_0

No evidence to say this variable is not normally distributed.