Statistical Inference: Non Parametric Tests Assignment

BACKGROUND:

The survey is conducted within a large organization to assess satisfaction level of employees in various functions. The satisfaction level is measured on 1-5 scale where higher number indicates more satisfaction.

QUESTIONS

- 1. Import EMPLOYEE SATISFACTION SURVEY data. Check for normality of the data.
- 2. Find median satisfaction level for 'IT', 'Sales' and 'Finance'. Test whether the satisfaction level among three roles differ significantly.
- 3. Is there any association between satisfaction level and experience level? Experience level is defined as midlevel (greater than 2 years) and Junior (less than or equal to 2 years).
- 4. Find number of employees with satisfaction score greater than 3 in each department

#Q1. Import EMPLOYEE SATISFACTION SURVEY data. Check for normality of the data.

##A.

emp_sat<-read.csv(file.choose(),header=T)
head(emp_sat)
str(emp_sat)

shapiro.test(emp_sat\$exp)
shapiro.test(emp_sat\$satlevel)

library(nortest)
lillie.test(emp_sat\$exp)
lillie.test(emp_sat\$exp)
#Interpretation:Since p-value <0.05, normality cannot be assumed

