```
R version 4.3.1 (2023-06-16 ucrt) -- "Beagle Scouts"
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Platform: x86_64-w64-mingw32/x64 (64-bit)

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  Natural language support but running in an English locale

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Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

[Previously saved workspace restored]

> rm(list = ls())
> if(!"EnvStats" %in% installed.packages()){install.packages("EnvStats")}
> library(EnvStats)

Attaching package: ‘EnvStats’

The following objects are masked from ‘package:stats’:

    predict, predict.lm

> x0 <- c(0,0.057,0,0.001,0.001,0.057,0,0.005,0.005,0,0.003,0.003,0.342,0.93,0.342,0.93,0.139,0.1
39,0.009,0,0.429,0,0,0.203,0,0.626,0.046,0.001,0.016,0.595,0.047,0.029,0.006,0.006,0.985,0.212,0.
022,0.048,0.002,0.035,0.002,0,0.267,0.887,0.053,0.998,0.984,1,0.992,0.009,0.046,0.009,0.009,0.008
,0,1,0.998,1,1,0.012,0.756,0.608,0.056,0.056,1,1,1,1,1,0,0,0.995,0.995,0.939,1,1,1,1,1,1,1,0.86,1
,0.978,0.996,0.97,0.991,0.459,0.923,0.999,0.999,0.995,1,1,0.999,0.999,0.999,1,0.998,1,1,0.024,0.6
02,0.992,0.032,1,1,0.999,1,1,1,1,1,0.999,1,1,1,1,1,1,1,1,1,1,1,0.075,0,0,0,0.075,1,1,1,1,0.999,
1,1,0.001,1,1,1,1,0.126,0.126,0.849,0.991,0.999,0.084,1,1,1,1,1,1,1,1,1,1,0.999,1,1,1,0.999,1,1,1
,0.999,0.999,1,0.988,0.988,0.988,0.939,1,0.999,0.988,0.863,0.029,0.845,1,0.998,0.845,0.999,0.998,
1,0.998,1,0.129,1,1,1,0.099,1,0.986,0.988,0.812,0.986,1,0.997,0.989,0.982,0.982,0.999,0.991,0.864
,0.97,0.318,0.917,0.917,0.93,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0.997,0.962,0.981,0.107,0.998,1,
1,1,1,0.002,0.064,1,1,1,1,1,0.999,0.999,0.939,0.995,0.999,0.957,0.521,0.917,0.12,0.071,0.006,0.00
6,1,1,1,1,1,1,1,1,1,1,0.121,1,1,1,0.985,0.999,0.998,1,0.92,0.948,1,1,1,0.057,1,1,1,1,1,0.017,0.00
1,0,0.002,0,0.001,1,1,1,1,0.027,0.001,1,0.948)
> x1 <- c(0.978,0.948,0.987,0.995,1,0.019,1,1,1,1,1,1,0.014,0.258,0.918,0.951,0.996,0.309,1,1,1,0
,0,0.001,0.58,0.001,0.031,1,1,1,0.999,1,1,1,1,1,1,1,1,1,1,1,0.007,0.004,0.004,1,1,0.82,0.001,0.89
5,0.064,1,1,1,1,1,1,1,0,0.016,0.001,0.996,0.911,0.911,0.609,0.609,0.348,0.853,1,1,0.999,1,1,1,1,0
.996,1,0.005,0.047,0.001,0.28,0.637,1,0.573,0.245,0.207,0.003,0.046,0.046,0,0,0,0,0,0,0,0,0.002,0
.002,0.107,0,0.002,0.003,0.019,0.011,0.112,0.112,0,0,0,0,0.003,0.003,0.999,1,0.998,0.987,0.882,0.
298,0.071,0.057,0,0.768,0.99,0.999,1,1,0.768,0.956,0.999,1,1,1,1,1,1,0.769,0.238,0.047,1,0.994,0.
999,0.029,0.323,0.05,0.05,1,1,0.166,1,1,1,1,1,1,1,1,1,1,0.997,0.998,1,1,0.025,0.004,1,1,1,1,1,1,1
,1,1,1,1,1,1,0.021,0,0.661,0.784,0,0.592,1,1,1,0.994,0.847,0.996,0.997,0.999,1,1,1,0.991,1,1,1,1,
1,1,0.998,0.995,0.999,0.999,1,0.999,1,1,1,1,1,1,1,1,0,0,0.016,0.016,0,0,0,0,0.998,1,0.727,0.727,0
.804,0.324,0.999,0.999,1,1,1,0.742,0.005,0.002,0.002,0.002,0.9,0,0.001,0.001,0.999,0.551,0.989,0.
996,0.996,0.997,0.996,0.995,0.787,0.931,0.999,0.99,0.894,0.999,1,1,0.907,0.907,0.646,0.201,0.201,
0.548,0.999,0.586,0.586,0,0,0.004,1,1,1,1,0.187,0.482,0.011,0.011,0.88,1,1,1,0.01,0.01,0.907,0.99
7,0.997,0.284,0.998,1,1,1,1,1,1,1,1,1)
> x2 <- c(1,1,1,1,1,1,1,0.997,0.883,0.883,1,1,1,0.805,0,0.001,0.001,0.999,1,0.998,1,0.041,0.021,1
,0.095,0.095,0.91,0.941,0.525,0.977,0.001,1,1,0.997,0.625,0.625,0.999,1,1,1,1,1,1,1,1,1,1,1,1,1,0
.926,0.004,0.988,0.711,1,0.006,0.965,0.839,0.994,0.965,0.061,0.005,0,0.091,0.992,0.992,1,1,0.093,
0.157,0.001,0.047,0.157,0.992,0.145,0.288,0,0,0,0.984,0.994,0.66,0.66,0.978,1,1,1,1,0.999,1,1,1,1
,1,1,1,1,1,1,1,1,1,1,1,0.702,0.992,0.993,0.609,0.025,0.086,0.001,0.972,0.006,0.988,1,0.996,0.988,
0.999,0.999,0.249,0.805,0.449,0.853,0.18,1,1,0.999,0.998,1,0.882,0.882,0.045,1,0.997,0.037,0.973,
1,0.999,0,0.982,1,0.999,1,0.998,0.998,0.999,1,0.997,0.998,0.096,0.673,0.035,0.673,0.673,0.044,1,1
,1,1,1,0.184,0.975,1,0.104,0.999,0.462,0.22,0.998,0.453,0.998,0.999,0.999,0.997,0.781,0.984,0.028
,0.005,0.005,0.998,0.045,0.001,0.001,0.89,1,0.999,1,0.269,0.96,0.029,0.483,0.908,0.575,1,1,1,1,1,
1,1,0.998,1,0.989,0.998,1,1,1,1,1,1,1,1,0.996,1,0.999,0.992,1,0.141,0,0.047,0.662,0.27,0.353,0.99
8,0.299,0.383,1,0.985,0.902,0.992,0.998,0.779,1,1,1,1,1,0.836,1,1,1,1,0.989,0.999,1,0.999,0.992,0
.997,0.994,0.994,1,1,1,1,0.999,1,1,1,1,1,1,0.998,1,1,1,1,1,1,1,1,1,1,1,0.003,0.995,0.695,0.958,0.
001,0.129,1,0.655,0.655,1,1,1,1,1,1,1,1,1,1,0.999,1,1,1,1,1,1,1,0.999)
```

```
> x3 <- c(0.999,1,1,1,1,1,1,1,1,1,1,1,0.997,1,1,1,0.461,0.856,0.99,0.765,0.053,0.009,1,1,1,1,1,1,
1,0.828,0.989,0.998,0.997,0.997,0,0.951,0.994,1,1,1,1,0.998,1,0.06,0.998,0.999,0.999,1,1,1,1,1,0.
756,1,1,1,0.848,0.983,1,1,1,1,0.918,1,1,1,1,1,1,0.925,0,0.003,0.753,0.653,1,1)
> x <- c(x0,x1,x2,x3)
> shapiro.test(x)

        Shapiro-Wilk normality test

data:  x
W = 0.63155, p-value < 2.2e-16

>
```