```
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.

> 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(1,1,1,1,1,1,1,1,0.998,1,1,1,0.999,1,1,1,1,1,1,0.464,0.699,0.192,0,0.029,0.003,0.989,0.0
94,0.365,0.365,0.464,0.961,0.001,0.961,0.365,0.961,0.801,0.86,0.891,0.999,1,0.998,0.003,0.994,0.0
4,0.997,1,0.636,1,0.999,1,0.239,1,0.006,1,0.959,1,1,0.007,0.329,0.002,0,0.042,0.002,0.958,0.495,0
.329,0.329,0.096,0.666,0,0.882,0.329,0.882,0.005,0.425,0.495,0,0.015,0.007,0.005,0.002,0,0.662,0.
341,0.035,0.068,0.001,0.129,0,0.341,0,0.204,0.001,0,0.035,1,1,0.999,0.798,1,0.998,1,1,1,1,1,1,0.9
98,1,1,1,1,1,1,1,0.002,0,0,0,0,0,0,0.341,0.068,0.011,0.029,0,0,0,0.341,0,0.204,0,0.068,0.068,0.464,0.
534,0.192,0.003,0.029,0.001,0.989,0.891,0.534,0.891,0.072,0.961,0.011,0.989,0.668,0.969,0.801,0.0
26,0.801,0.01,0.184,0.003,0,0.066,0.002,0.974,0.613,0.442,0.613,0.146,0.007,0,0.924,0.442,0.974,0
.007,0.544,0.762,0.001,0.721,0.564,0.006,0.9,0.057,0.041,0.948,0.9,0.9,0.494,0.948,0.287,0.994,0.
018,0.9,0.9,0.9,0.9,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0.95,0.997,0.96,0,0.938,0.455,0.99,0.99
8,0.142,0.996,0.992,0.999,0,0.992,0.208,0.999,0.691,0.999,0.997,0.337,0.999,0.994,0.008,0.933,0.9
16,0.998,1,0.345,0.999,0.998,1,0.062,0.999,0.629,1,0.877,0.999,0.999,1,1,1,0.946,0.999,0.999,1,1,
0.993,1,1,1,0.963,0.994,0.999,1,1,1,1,0.018,0.457,0.011,0,0.392,0.034,0.804,0.071,0.001,0.008,0.0
57,0.006,0,0.572,0.011,0.948,0.013,0.606,0.011,0.842,0.991,0.837,0.001,0.948,0.221,0.991,0.998,0.
053,0.988,0.977,0.999,0,0.974,0.239)
> x1 <- c(0.999,0.728,0.999,0.999,1,1,1,0.002,0.999,0.978,1,1,0.965,1,1,1,0.787,1,0.977,1,0.997,1
,1,0.999,1,0.999,0.405,1,0.983,1,1,0.734,0.988,1,1,0.303,0.857,0.964,1,0.987,1,1,0.01,0.001,0.064
,0,0.468,0.306,0.964,0.878,0.403,0.403,0.201,0.878,0,0.964,0.703,0.964,0.703,0.641,0.703,1,1,1,1,
1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,0.005,0.005,0.004,0.405,0.162,0.912,0.05,0.011,0.011,0.004,0.096,
0.004,0.474,0.204,0.112,0.05,0,0.005,1,1,1,0.999,1,1,1,1,1,1,1,1,0.999,1,1,1,1,1,1,0.835,0.979,0.
77,0.313,0.947,0.947,0.998,0.993,0.979,0.979,0.947,0.993,0.007,0.994,0.979,0.998,0.979,0.991,0.97
9,0.324,0.818,0.207,0,0.627,0.457,0.981,0.932,0.818,0.818,0.492,0.932,0.041,0.981,0.818,0.981,0.8
18,0.912,0.932,1,1,0.999,0.998,1,1,1,1,1,1,1,1,0.998,1,1,1,1,1,1,0.916,0.99,0.936,0.014,0.975,0.9
81,0.999,0.997,0.987,0.997,0.99,0.997,0.128,0.999,0.997,0.999,0.987,0.997,0.997,0.983,0.994,0.915
,0.771,0.983,0.983,0.999,0.999,0.994,0.994,0.983,0.998,0.049,0.999,0.994,0.999,0.994,0.997,0.998,
1,1,1,1,0.996,0.999,1,0.999,1,1,1,1,0.996,1,0.96,1,1,1,1,0.096,0.001,0.055,0.019,0.425,0.495,0.95
8,0.858,0.6,0.666,0.219,0.858,0,0.882,0.666,0.958,0.6,0.666,0.666,0.007,0.123,0.001,0,0.425,0.001
,0.958,0.666,0.495,0.495,0.096,0.666,0,0.882,0.329,0.958,0.495,0.425,0.666,0.635,0.35,0.942,0.071
,0.995,0.988,1,0.999,0.991,0.996,0.977,0.996,0.432,1,0.996,1,0.996,0.988,0.996,0.277,0.878,0.084,
0.001,0.728,0.052,0.988,0.956,0.878,0.878,0.728)
> x2 <- c(0.956,0,0.965,0.78,0.988,0.878,0.943,0.878,0.003,0.059,0.002,0,0.003,0,0.91,0.47,0.045,
0.304,0.059,0.47,0,0.77,0.179,0.91,0.007,0.304,0.47,0.027,0.009,0.198,0.001,0.76,0.807,0.99,0.895
,0.76,0.895,0.374,0.895,0,0.99,0.895,0.99,0.865,0.807,0.895,0.012,0.807,0.097,0.001,0.76,0.76,0.9
9,0.895,0.807,0.895,0.311,0.895,0.001,0.99,0.895,0.99,0.895,0.76,0.895,0,0,0,0,0.022,0.003,0.057,
0,0,0.001,0,0,0,0.057,0,0.029,0.002,0,0.002,0,0.013,0,0,0.002,0.032,0.842,0.001,0.01,0.013,0.013,
0.117,0,0.317,0.117,0.317,0.024,0.061,0.061,0.985,0.988,0.431,0.792,0.994,0.094,0.999,0.994,0.988
,0.988,0.364,0.994,0.902,0.999,0.977,0.634,0.994,0.988,0.988,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,
1,0.062,0.28,0.163,0.28,0.978,0.939,0.994,0.814,0.791,0.791,0.309,0.921,0.402,0.994,0.979,0.966,0
.741,0.883,0.883,1,1,1,0.999,1,1,1,1,1,1,1,1,0.999,1,1,1,1,1,1,0.001,0.194,0.001,0,0.04,0.002,0.9
52,0.632,0.194,0.042,0.016,0.632,0,0.866,0.458,0.952,0.632,0.389,0.194,0.999,0.999,0.996,0.977,1,
0.999,1,1,0.999,0.952,0.999,1,0.95,1,1,1,1,1,0.999,0.999,0.998,0.997,0.997,0.933,0.865,1,0.949,0.
```

```
998,1,0.997,1,0.992,1,0.89,0.994,0.999,1,1,0.998,0.595,0.435,0.968,0.638,0.012,0.999,0.937,0.984,
0.984,0.81,0.993,0.035,0.999,0.026,0.999,0.993,0.81,0.995,0.005,0.045,0.006,0,0.034,0.375,0.99,0.
331,0.034,0.097,0.006,0.007,0.005,0.078,0.198,0.198,0.475,0.019,0.045,0.988,1,0.999,0.988,0.991,0
.988,1,1,1,1,0.999,1,0.999,1,1,1,1,1,1)
> x <- c(x0,x1,x2)
> shapiro.test(x)

        Shapiro-Wilk normality test

data:  x
W = 0.72973, p-value < 2.2e-16

> hist(x,main="Main",xlab="value",border="light blue",col="blue",las=1)
> qqPlot(x)
```