```
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(0.2971,0.1234,0.0809,0.0795,0.0795,0.1234,0.0809,0.0847,0.0847,0.0651,0.0753,0.0753,0.1
064,0.1547,0.1064,0.1547,0.1014,0.1014,0.0683,0.0674,0.0922,0.0674,0.0688,0.2692,0.0648,0.3025,0.
1004,0.0563,0.1749,0.6515,0.1298,0.1239,0.0749,0.0749,0.2972,0.0715,0.1844,0.2496,0.1191,0.1087,0
.2472,0.0623,0.1355,0.2947,0.1464,0.1245,0.4124,0.5838,0.3347,0.0668,0.1015,0.1253,0.0668,0.102,0
.0877,0.357,0.4849,0.8458,0.357,0.0773,0.1332,0.1792,0.0743,0.0743,0.4985,0.4985,0.2681,0.2207,0.
476,0.1148,0.1148,0.7678,0.7678,0.3334,0.5146,0.9217,0.9601,0.9601,0.5519,0.9026,0.5874,0.3147,0.
5531,0.622,0.1547,0.266,0.3061,0.2417,0.6878,0.7441,0.7582,0.7577,0.9036,0.6004,0.7648,0.6404,0.7
2,0.7684,0.6816,0.7702,0.7702,0.1328,0.5414,0.6097,0.0881,0.695,0.4927,0.3563,0.6658,0.695,0.7091
,0.7091,0.6664,0.3383,0.175,0.175,0.863,0.7929,0.865,0.9117,0.9151,0.95,0.9881,0.9761,0.9567,0.96
91,0.1121,0.0847,0.0847,0.0847,0.1121,0.8814,0.882,0.8151,0.8151,0.8389,0.915,0.797,0.0702,0.9884
,0.9749,0.9432,0.9948,0.0985,0.0985,0.8144,0.4467,0.809,0.7613,0.5143,0.785,0.6508,0.8117,0.8337,
0.8952,0.9077,0.9077,0.9853,0.4373,0.6018,0.1299,0.9851,0.5084,0.8517,0.9209,0.7946,0.8366,0.5401
,0.5401,0.8844,0.2186,0.205,0.4859,0.2909,0.6918,0.717,0.4859,0.1512,0.1445,0.1078,0.7027,0.8577,
0.1078,0.8088,0.8035,0.9751,0.7335,0.9547,0.1767,0.5544,0.8418,0.8173,0.1337,0.1018,0.5154,0.8627
,0.5922,0.8105,0.6859,0.266,0.5289,0.4502,0.393,0.2846,0.4578,0.43,0.1384,0.4531,0.7226,0.7226,0.
2503,0.9811,0.994,0.9767,0.9744,0.994,0.9744,0.4343,0.4289,0.5836,0.6408,0.4217,0.3596,0.9935,0.9
891,0.984,0.9935,0.9725,0.9772,0.2884,0.0903,0.2579,0.1123,0.4146,0.1774,0.7829,0.6376,0.8785,0.0
744,0.0773,0.9895,0.9958,0.9814,0.9883,0.9958,0.4071,0.7809,0.703,0.7746,0.8323,0.1716,0.1362,0.1
978,0.192,0.7843,0.0759,0.0759,0.7966,0.5858,0.705,0.5957,0.9934,0.99,0.9777,0.9934,0.9761,0.9886
,0.3438,0.9841,0.9719,0.9576,0.2204,0.309,0.3904,0.664,0.8819,0.1379,0.9302,0.891,0.8236,0.2598,0
.9859,0.9938,0.9911,0.4101,0.3919,0.1049,0.1302,0.1005,0.1813,0.0517,0.1701,0.9654,0.9585,0.979,0
.9691,0.1348,0.3636,0.4774,0.4232)
> x1 <- c(0.7418,0.5509,0.3955,0.8624,0.902,0.1514,0.9838,0.9929,0.9758,0.9929,0.9773,0.9812,0.04
88,0.1153,0.1776,0.4571,0.7019,0.5504,0.9684,0.9803,0.9353,0.0559,0.0624,0.0675,0.1402,0.079,0.09
31,0.9726,0.9885,0.9558,0.81,0.9842,0.9903,0.9834,0.9693,0.6533,0.4312,0.3391,0.5938,0.6533,0.817
,0.7301,0.0945,0.063,0.063,0.2685,0.495,0.166,0.065,0.1682,0.1502,0.5453,0.3267,0.9629,0.9731,0.9
818,0.9629,0.988,0.0728,0.0905,0.1549,0.1569,0.1809,0.1809,0.1096,0.1096,0.1,0.3546,0.9561,0.9608
,0.9716,0.9469,0.9574,0.9123,0.943,0.7231,0.9586,0.1289,0.104,0.1323,0.2428,0.4763,0.46,0.1576,0.
4161,0.2732,0.1969,0.0816,0.0816,0.0698,0.0698,0,0.0972,0.1035,0.0972,0.0598,0.0598,0.0973,0.0973
,0.0678,0.0738,0.0689,0.1438,0.1092,0.098,0.073,0.073,0.0749,0.0749,0.0643,0.2728,0.0867,0.0867,0
.6905,0.4956,0.2674,0.894,0.637,0.9381,0.6578,0.6283,0.0705,0.7403,0.6028,0.3637,0.6782,0.9103,0.
1256,0.193,0.7066,0.9948,0.8819,0.9211,0.8819,0.9211,0.8819,0.9212,0.2233,0.1042,0.7664,0.802,0.8
311,0.1488,0.196,0.2136,0.2136,0.6505,0.7842,0.6841,0.6841,0.9907,0.9907,0.9041,0.9887,0.8365,0.7
794,0.8721,0.8679,0.8679,0.1629,0.5031,0.9607,0.8099,0.0904,0.1541,0.9873,0.9915,0.9919,0.9881,0.
9457,0.8698,0.8923,0.4633,0.8354,0.9885,0.9796,0.9885,0.7452,0.3046,0.0601,0.9701,0.5736,0.0601,0
.7921,0.9859,0.8715,0.9797,0.7959,0.6001,0.4766,0.2399,0.9722,0.9593,0.9497,0.7277,0.7565,0.9744,
0.9758,0.4982,0.7114,0.9852,0.9852,0.8134,0.8598,0.9462,0.9462,0.8699,0.9462,0.8918,0.8699,0.9917
,0.992,0.968,0.9842,0.993,0.9923,0.0727,0.0727,0.1153,0.1153,0.0694,0.0922,0.0716,0.0716,0.6591,0
.9735,0.184,0.184,0.26,0.2741,0.6847,0.9336,0.9692,0.9718,0.9742,0.2593,0.1387,0.0731,0.0731,0.07
```

```
12,0.148,0.1197,0.0866,0.0866,0.1415,0.0742,0.36,0.266,0.3973,0.5542,0.7733,0.2861,0.4268,0.9439,
0.6279,0.1903,0.4983,0.6046,0.944,0.944,0.1339,0.1339,0.1838,0.0717,0.0717,0.1091,0.4225,0.0876,0
.0876,0.0722,0.0722,0.0515,0.7776,0.7941,0.7941,0.7941,0.1915,0.0936,0.1001,0.1001,0.1713,0.4817,
0.4817,0.4972,0.0452,0.0452,0.3413,0.4151,0.4151,0.1889,0.9069,0.9831,0.9919,0.9803,0.983,0.983,0
.5573,0.5673,0.3393,0.9852)
> x2 <- c(0.3914,0.975,0.9816,0.5454,0.9914,0.9645,0.9528,0.5167,0.7994,0.7994,0.9593,0.9788,0.96
29,0.2736,0.1025,0.0536,0.0536,0.2318,0.1786,0.1392,0.1786,0.1469,0.1574,0.9212,0.1903,0.1903,0.3
332,0.8529,0.6835,0.5645,0.1819,0.3057,0.8274,0.6639,0.1335,0.1335,0.458,0.6712,0.6712,0.6712,0.7
682,0.6823,0.3157,0.9862,0.9894,0.986,0.977,0.9894,0.9894,0.9894,0.2273,0.3732,0.4022,0.0994,0.41
34,0.1188,0.4233,0.5337,0.1908,0.4233,0.0663,0.0672,0.0704,0.3951,0.6079,0.6079,0.2061,0.6886,0.3
505,0.145,0.0747,0.2056,0.145,0.3487,0.3073,0.2204,0.0851,0.0851,0.0851,0.6705,0.3963,0.0938,0.09
38,0.6693,0.6638,0.8456,0.9489,0.9955,0.8838,0.9955,0.7442,0.9698,0.9838,0.992,0.992,0.9454,0.943
3,0.9667,0.9959,0.9959,0.9808,0.9751,0.9851,0.9808,0.2032,0.2815,0.2068,0.2145,0.2664,0.2418,0.70
36,0.6442,0.1182,0.7916,0.891,0.6862,0.7916,0.7848,0.7848,0.356,0.6753,0.2356,0.3345,0.0771,0.772
1,0.9555,0.5828,0.2861,0.9276,0.6242,0.6242,0.102,0.9818,0.5066,0.087,0.3618,0.3525,0.3176,0.0686
,0.4361,0.8559,0.266,0.448,0.5646,0.5646,0.178,0.806,0.5601,0.5646,0.1435,0.3391,0.0703,0.1245,0.
1245,0.1325,0.993,0.9778,0.9891,0.9943,0.929,0.1301,0.1792,0.313,0.1611,0.7086,0.1582,0.0875,0.93
98,0.133,0.4473,0.6555,0.6555,0.5384,0.6974,0.6355,0.1016,0.1509,0.1509,0.4325,0.5815,0.0864,0.08
64,0.4044,0.8066,0.7492,0.8108,0.0907,0.1588,0.0831,0.1903,0.4078,0.4273,0.4542,0.7971,0.7931,0.8
814,0.6412,0.8814,0.6552,0.9592,0.6989,0.4774,0.9592,0.9951,0.9901,0.9945,0.9968,0.9948,0.9834,0.
9968,0.9929,0.5971,0.7707,0.5487,0.6107,0.9536,0.3845,0.09,0.0782,0.7131,0.5014,0.2481,0.6226,0.1
34,0.1612,0.8759,0.8772,0.9577,0.9639,0.9572,0.52,0.9965,0.9922,0.9824,0.9989,0.9888,0.373,0.8974
,0.87,0.7709,0.9538,0.8952,0.9895,0.9639,0.9814,0.9887,0.9803,0.7328,0.9047,0.967,0.9851,0.9851,0
.9851,0.7641,0.9315,0.9921,0.9895,0.8988,0.9611,0.9559,0.6275,0.9611,0.9611,0.9041,0.8299,0.8192,
0.966,0.7705,0.9711,0.543,0.7539,0.7638,0.0796,0.2278,0.28,0.1506,0.0897,0.1423,0.1397,0.0714,0.0
714,0.9668,0.6201,0.9377,0.9668,0.9668,0.606,0.9265,0.3017,0.5328,0.2698,0.6436,0.7287,0.9853,0.9
893,0.7531,0.9822,0.7465,0.8926,0.964)
> x3 <- c(0.6607,0.9752,0.9958,0.9958,0.9303,0.9775,0.9775,0.8307,0.9892,0.9892,0.8368,0.9356,0.8
192,0.9399,0.7724,0.7724,0.4139,0.6432,0.6297,0.445,0.1394,0.1451,0.9944,0.9518,0.9803,0.9803,0.9
893,0.9944,0.981,0.2396,0.9333,0.8916,0.7391,0.7391,0.1681,0.6425,0.7996,0.7919,0.8532,0.9389,0.9
59,0.5821,0.9211,0.3871,0.7773,0.3346,0.3346,0.926,0.9273,0.9182,0.7181,0.7827,0.7424,0.9407,0.51
11,0.4398,0.1128,0.0875,0.6468,0.7077,0.6756,0.6756,0.1503,0.9806,0.9806,0.8308,0.9906,0.9302,0.9
19,0.4289,0.1524,0.0898,0.7218,0.183,0.0992,0.0992)
> x <- c(x0,x1,x2,x3)
> shapiro.test(x)

        Shapiro-Wilk normality test

data:  x
W = 0.87089, p-value < 2.2e-16

>
```