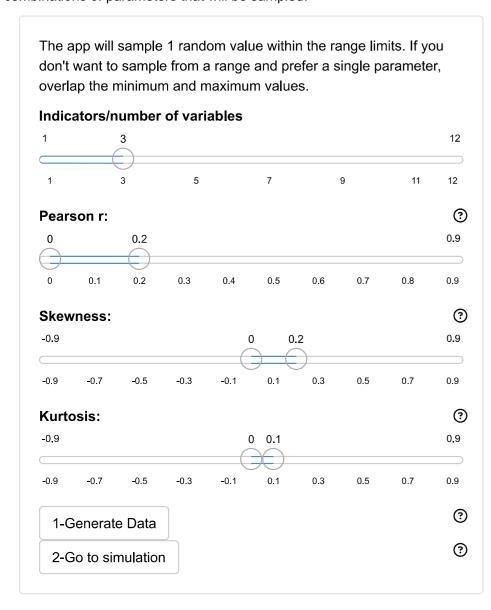# Instructions for the parameter specification

To simulate your data we need different information that include your desired sample size, the hypothesized correlations between your study variables, the hypothesized skewness and kurtosis of your variables, and the number of indicators you want to simulate. For correlations, skewness, and kurtosis, we ask you to provide a range of plausible parameters. We will randomly sample parameters within the specified ranges. The output you will see is just one of the infinite combinations of parameters that will be sampled.

The app will sample 1 random value within the range limits. If you don't want to sample from a range and prefer a single parameter, overlap the minimum and maximum values.

Indicators/number of variables

1	3				12

| 1 | 3 | 5 | 7 | 9 | 11 | 12 |

Pearson r: ⊘

| 0 | 0.2 | | | | | | | | 0.9 |

| 0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 |

Skewness: ⊘

| -0.9 | | | | 0 | 0.2 | | | | 0.9 |

| -0.9 | -0.7 | -0.5 | -0.3 | -0.1 | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |

Kurtosis: ⊘

| -0.9 | | | | 0 | 0.1 | | | | 0.9 |

| -0.9 | -0.7 | -0.5 | -0.3 | -0.1 | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |

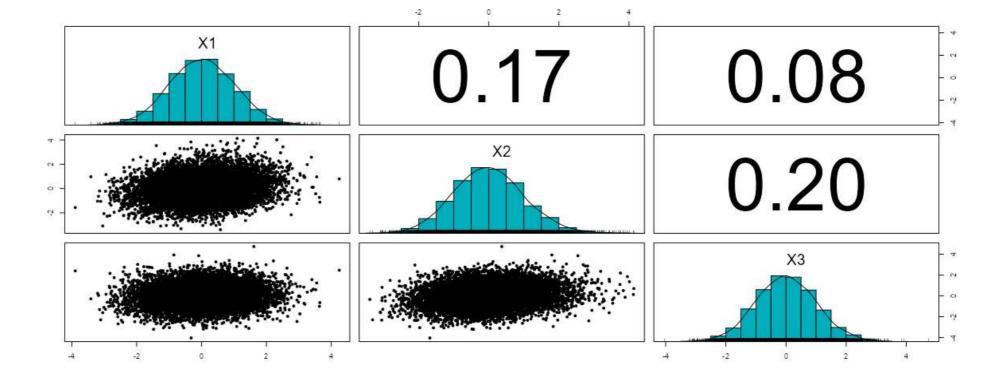| 1-Generate Data | ⊘ |

| 2-Go to simulation | ⊘ |

This is how data sampled from these parameters may look like (N = 10,000)

During the simulation all parameters will be sampled, hence at each iteration they will differ from those that will appear here.

If you prefer (almost) exact parameters, specify single values and not ranges (not suggested).

	X1	X2	X3	Skewness	Kurtosi
X1	1.00	0.17	0.08	0.02	-0.04
X2	0.17	1.00	0.20	0.19	0.17
X3	0.08	0.20	1.00	0.07	0.03