Data Biography for Dataset Simple Circuit

The data in *SimpleCircuit*.*xls* contains time sampled data for a simple L (inductor) R (resistor) electrical circuit. In other words, a simple first order differential equation.

The data was generated using a Matlab Simulink simulation, *SimpleLRcircuit*.

*SimpleCircuit5ts.csv* takes 5 rows (time samples) at a time and transposes them to new columns. This is needed because to see dynamics emerge in the data, the time samples should be new columns.

The best clusters may be related to the states of the circuit (steady state, inductor current rising, inductor current falling, etc..)