Time Series Clustering Data Set from UCI:

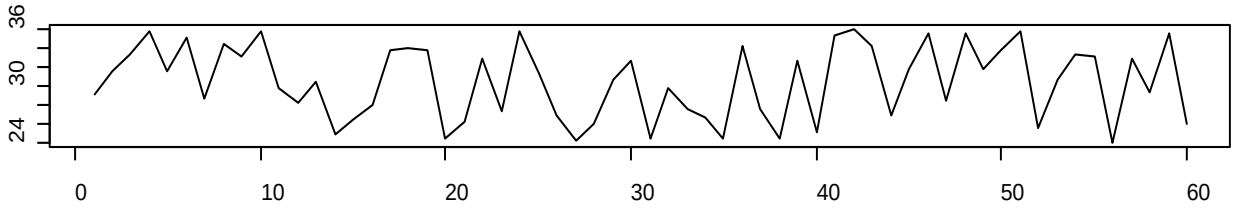
http://archive.ics.uci.edu/ml/datasets/Synthetic+Control+Chart+Time+Series

Analysis by Yiou Li

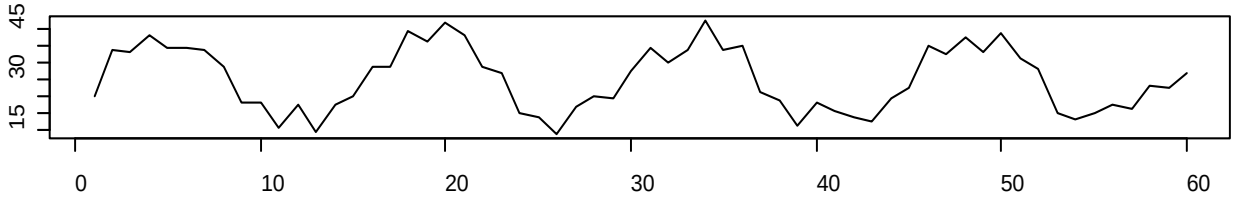
Data Set Description

- The data is stored in an ASCII file, 600 rows, 60 columns, with a single chart per line. The classes are organized as follows:
  1-100 Normal
  101-200 Cyclic
  201-300 Increasing trend
  301-400 Decreasing trend
  401-500 Upward shift
  501-600 Downward shift

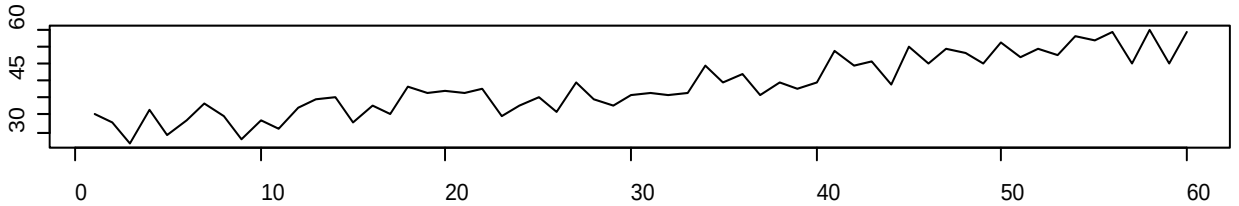
1. “Normal”



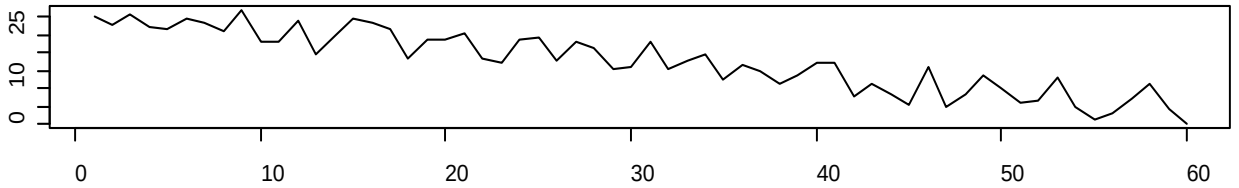
2. “Cyclic”



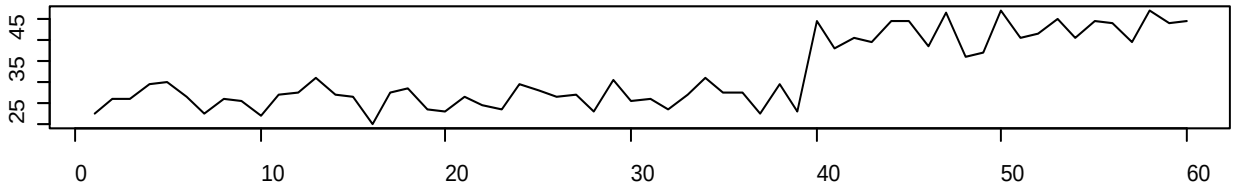
3. “Increasing”



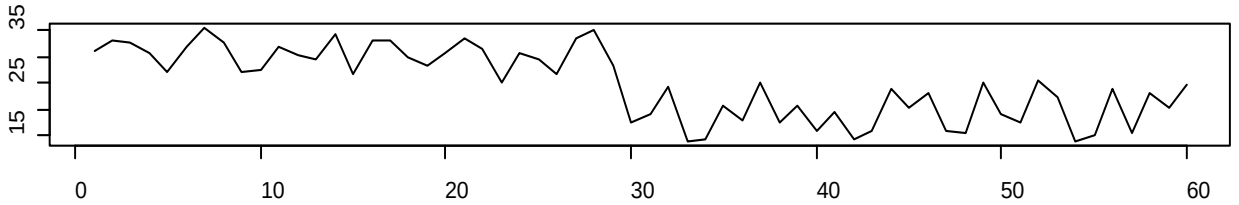
4. “Decreasing”



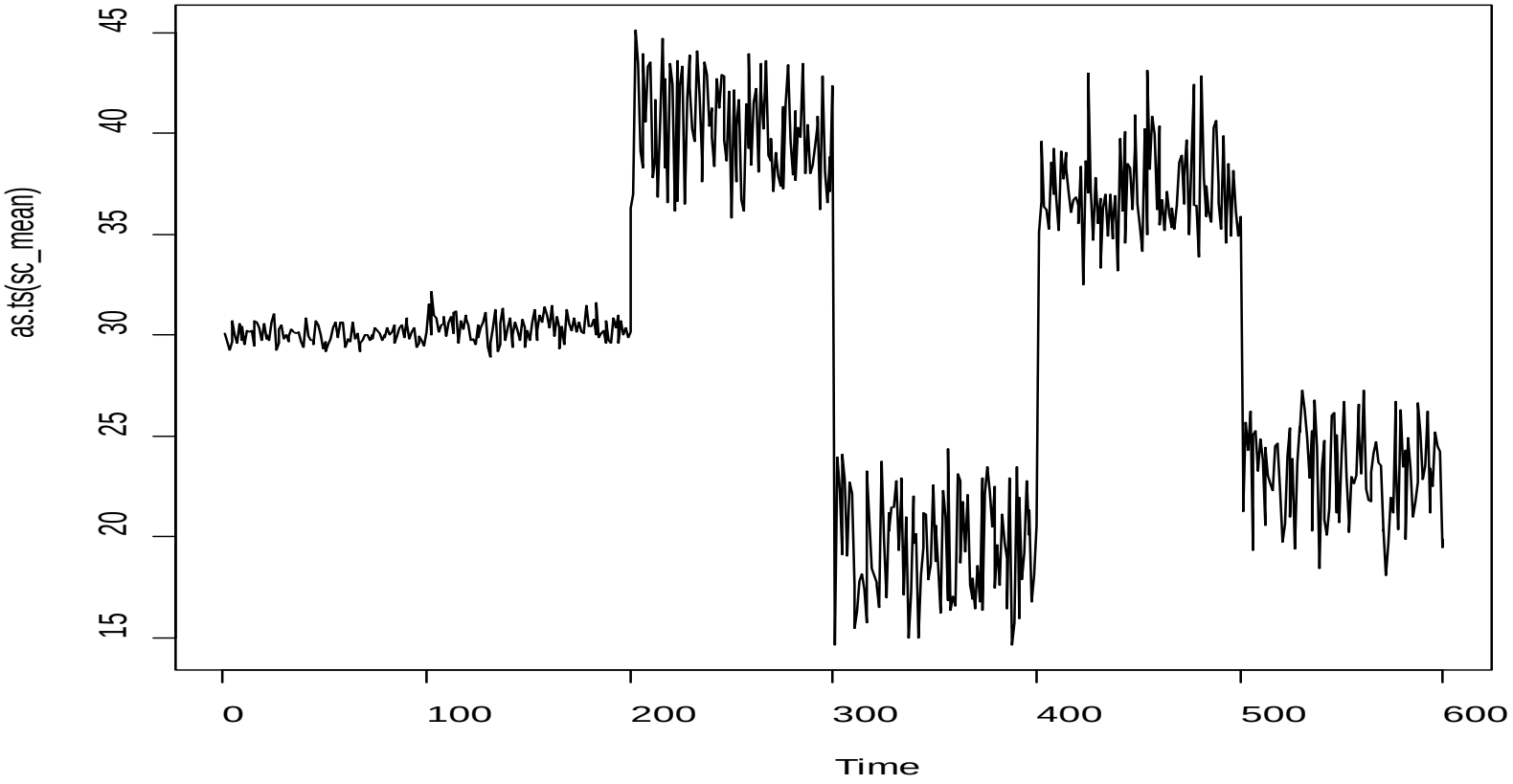
5. “Upward shift”



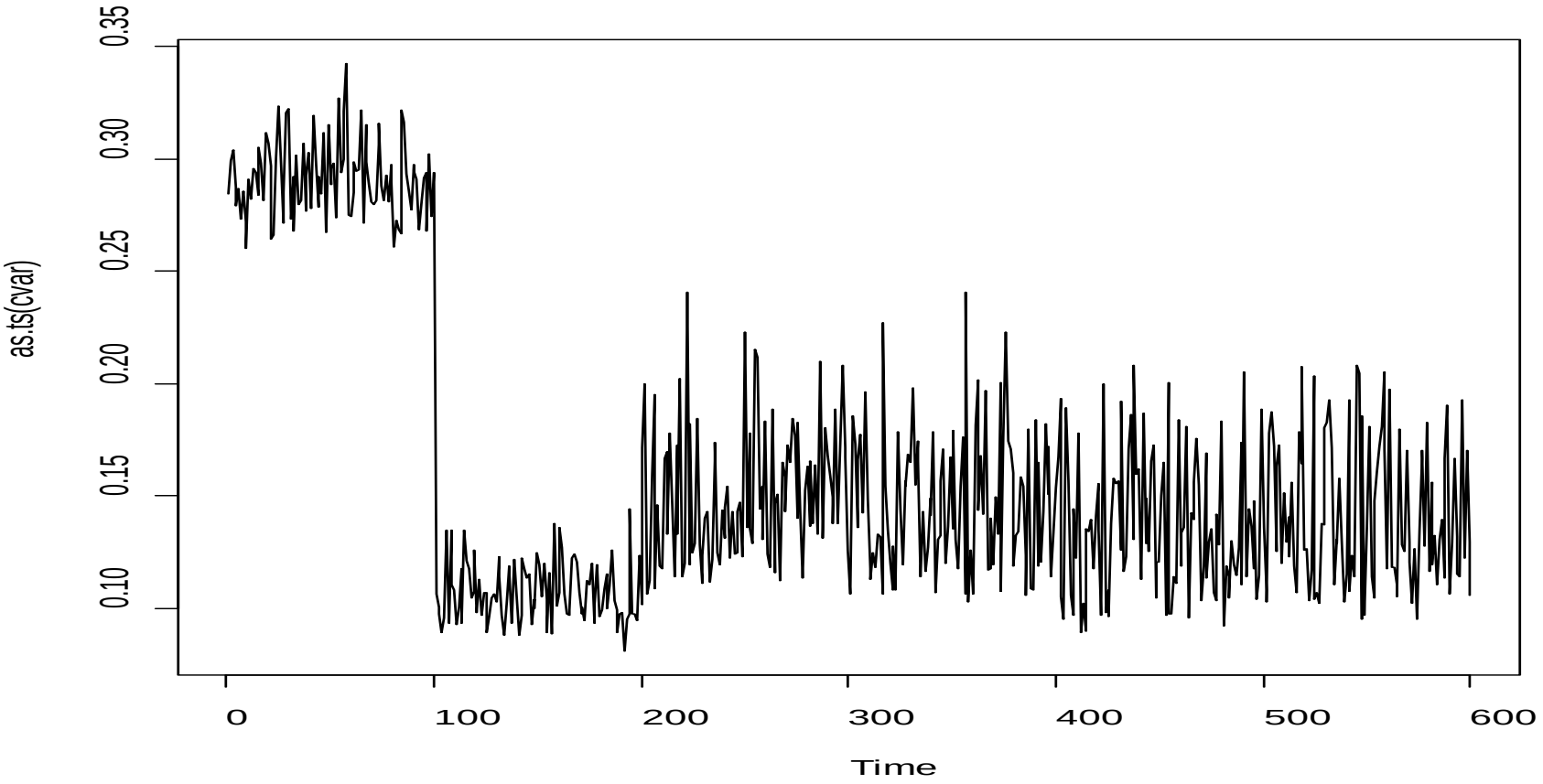
6. “Downward shift”



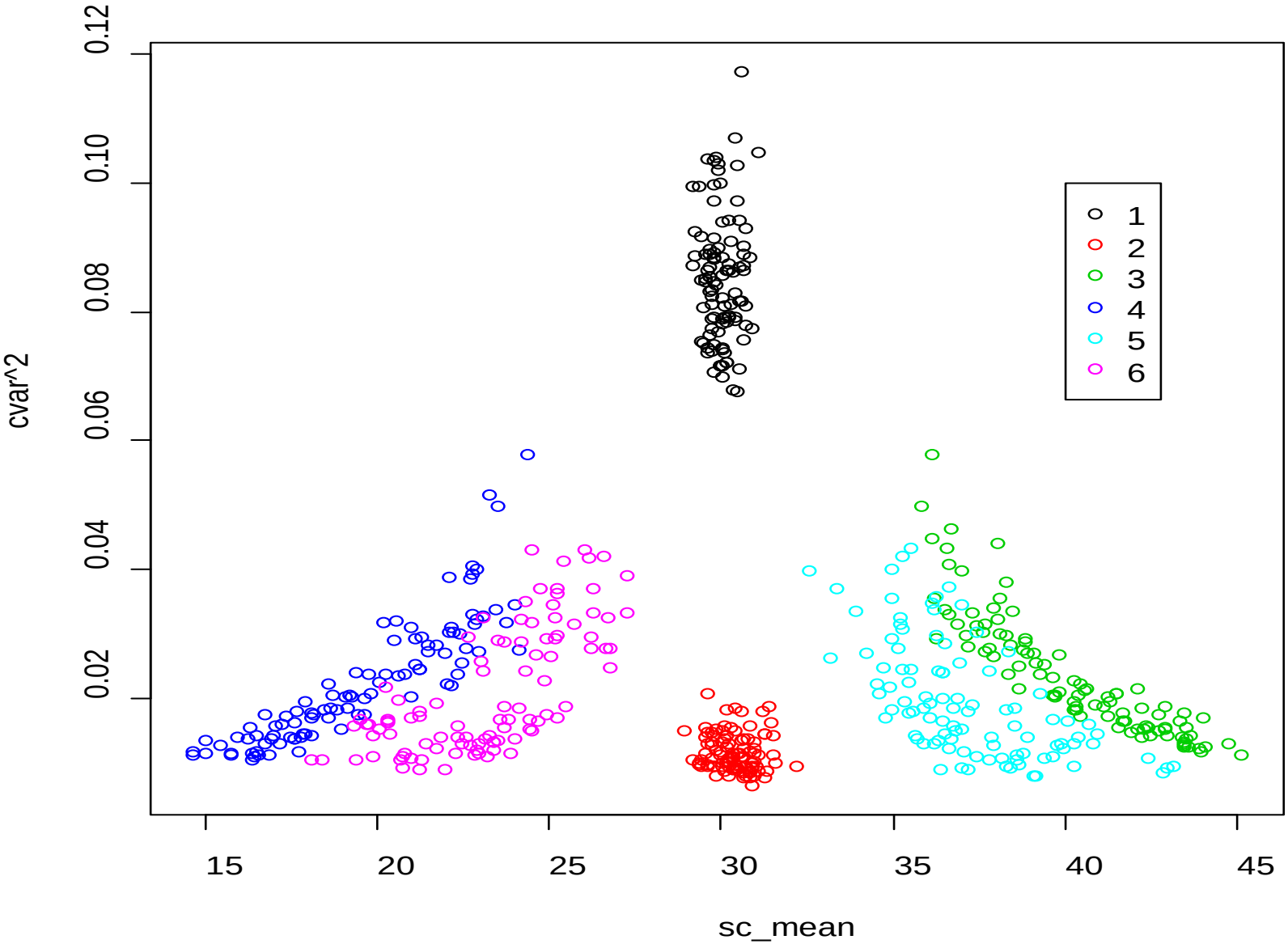
Mean



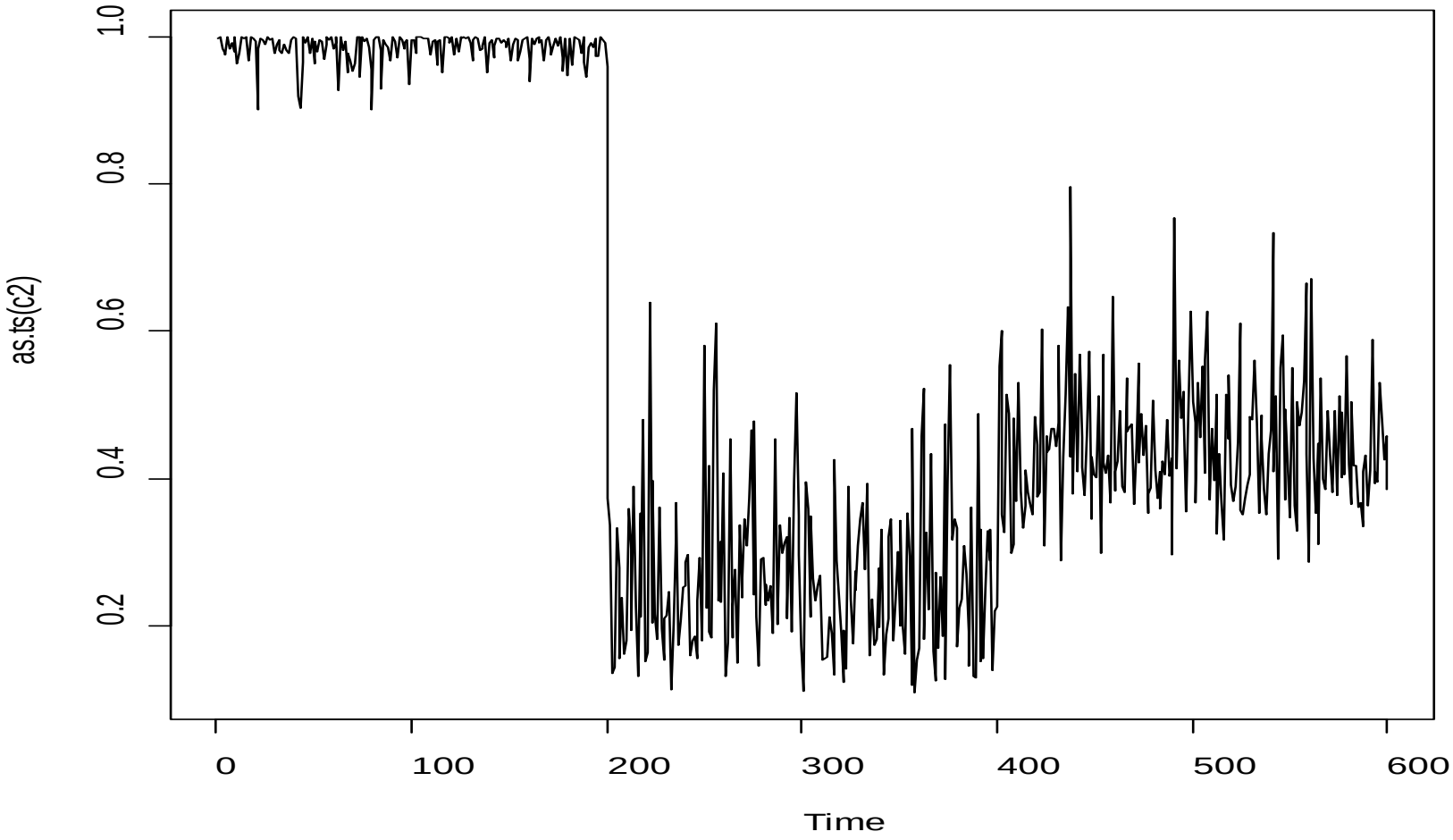
Variance



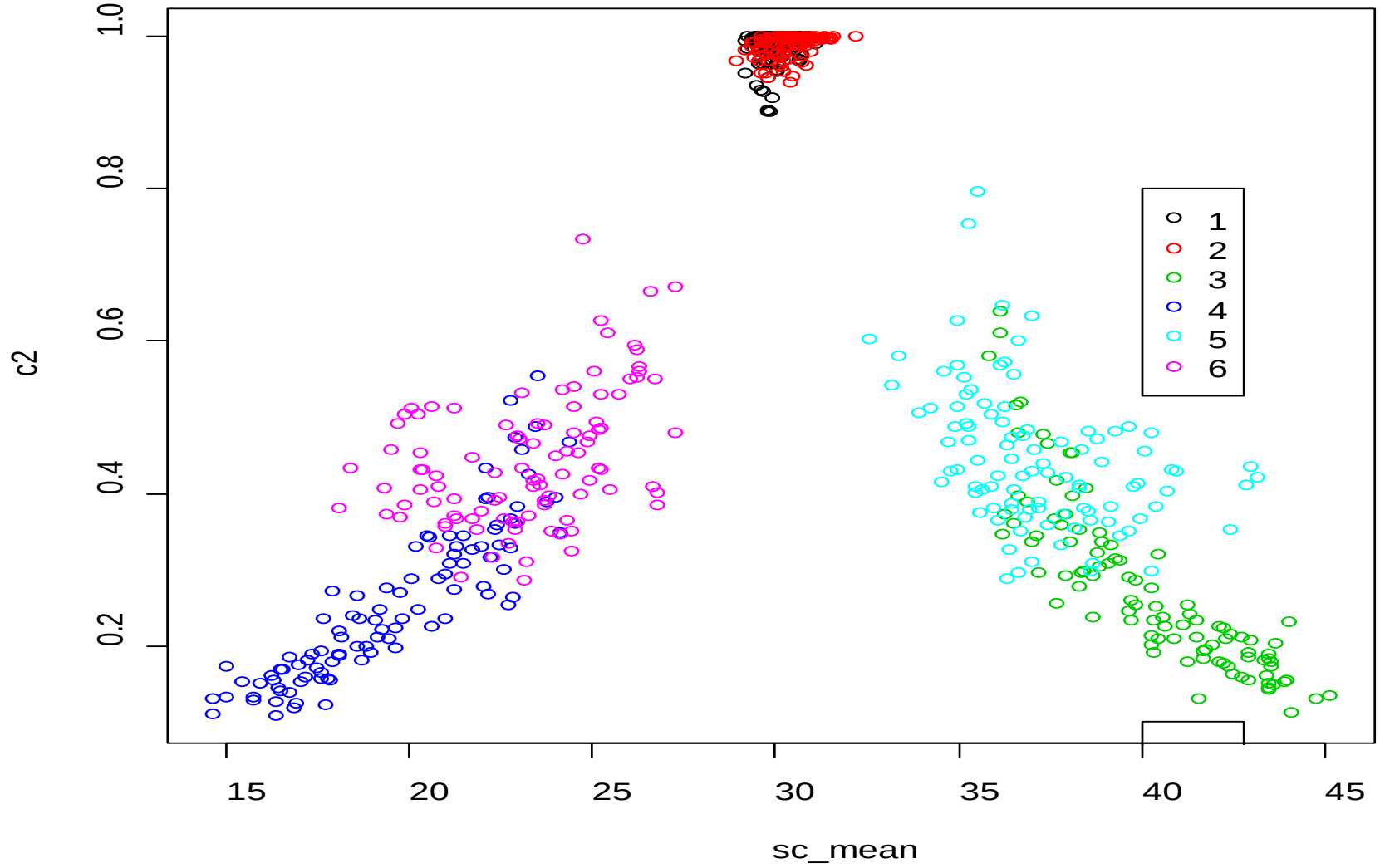
Scatter plot (mean vs. variance)



Linear detrend residual



Scatter plot
(mean vs. detrend residuals)



Results using [mean, var, residual]

- Kmeans(…, nstart = 100)
  Label: 1 5 4 3 4 3
  Count: 100 100 59 63 55 61

- diana( )
  Label: 1 2 4 5 4 5
  Count: 100 100 59 92 54 90

- hclust( )
  Label: 1 2 4 5 4 5
  Count: 100 100 57 54 52 62