This folder contains four R functions to conduct the applications of the SCARM and the trend-detection procedure to the time series for situations A-D, cf. Section 4.4 of the article:

* Application\_case\_A.R
* Application\_case\_B.R
* Application\_case\_C.R
* Application\_case\_D.R

These functions require the R function “scarm.detection.R”, which is also included in the folder, and the R package “robfilter”, version 4.0. The time series data are given in the folder “Data”.

The resulting plots correspond to the Figures 2-5 in the article.