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- Evaluation of control charts by means of the zero-state, steady-state ARL (Average Run Length) and RL quantiles.
- Setting up control charts for given in-control ARL.
- The control charts under consideration are one- and two-sided EWMA, CUSUM, and Shiryaev-Roberts schemes for monitoring the mean of normally distributed independent data.
- ARL calculation of the same set of schemes under drift are added.
- Other charts and parameters are in preparation.
- Further SPC areas will be covered as well (sampling plans, capability indices ...)

R package spc provides

xcusum.ad steady-state ARLs of CUSUM charts xcusum.arl (zero-state) ARLs of CUSUM charts xcusum.crit decision intervals of CUSUM charts xewma.ad steady-state ARLs of EWMA charts xewma.arl (zero-state) ARLs of EWMA charts xewma.crit critical values of EWMA charts