

Special Issue

Statistical Process Monitoring in Healthcare

Message from the Guest Editor

Healthcare organizations are continuously involved in quality improvement programs, and performance indicators are often suggested as key elements to capture information on clinical, organizational, and financial processes. The challenge is thus to select useful statistical tools for accurately monitoring and providing benchmarks for such indicators. Statistical process control (SPC) provides a methodological approach both for assessing undisturbed, or steady-state, process behaviour and for detecting positive or negative changes in performance. Control charts are one of the primary tools used in SPC and are being increasingly adopted in healthcare to aid in process understanding, to assess process stability and to identify changes that indicate either the improvement or deterioration in quality. This Special Issue aims to bring together state-of-the-art research and practical applications of statistical process control in the healthcare framework.

Guest Editor

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