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Statistical Process Control and Inference: Novelty, Controversies and New Direction

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Message from the Guest Editors

Dear Colleagues,

In the last months, a number of articles complaining about the quality, unreliability, impracticability and weaknesses of some control charts and concepts newly introduced in statistical process control (SPC) were published in different journals. The complaint was even extended to the results reported in some articles because of the use of no reliable performance measures such as the zero-state average runlength when evaluating the performance of memory-type charts. The charts reported in these articles include:

- The HWMA chart:
- The extended EWMA;
- The GWMA chart:
- Progressive mean control chart;
- Auxiliary information-based control charts;
- Synthetic control charts;
- Neutrosophic control charts.

However, few other articles were also published in order to contradict researchers who campaign against the above charts and concepts. The purpose of this Special Issue is to present a platform that helps researchers freely discuss topics on controversies and provide clear directions for a new area of quality research work in SPC. Since SPC theory cannot be dissociated from statistical inference, researchers are welcome to submit original articles on inference

Specialsue







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Message from the Editor-in-Chief

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