

Copenhagen 2019-03-25

Dear Editor,

Please consider this article "Smooth Operator: Modifying the Anhøj Rules to Improve Runs Analysis in Statistical Process Control" for publication in the R Journal.

The article is a follow up on our previous submission "The crossrun package: Joint Distribution for Number of Crossings and Longest Run in Independent Bernoulli observations" (id: 2019-03), which is currently under review with the R Journal.

Using the methods proposed in the previous article, this article presents new knowledge on the diagnostic properties of runs analysis used with statistical process control. In addition, the article suggests procedures for improving the diagnostic value of runs analysis.

At present, we are unaware of the fate of the previous submission. But should it be accepted, we would like to include a reference to it in the present article. Should the R Journal wish to publish both articles in the same issue, we would like to have both articles reference each other.

Kind regards

Jacob Anhøj & Tore Wentzel-Larsen