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Communications in Statistics - Simulation and Computation > Volume 36, 2007 - Issue 5

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# Number of Replications Required in Control Chart Monte Carlo Simulation Studies

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Pages 1075-1087 | Received 01 Nov 2006, Accepted 01 Jan 2007, Published online: 28 Aug 2007

**66** Cite this article ▶ https://doi.org/10.1080/03610910701539963

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## **Abstract**

Monte Carlo simulations have been used extensively in studying the performance of control charts. Researchers have used various numbers of replications in their studies, but almost none of them provided justifications for the number of replications used. Currently, there are no empirically based recommendations regarding the required number of replications to ensure accurate results. This research examined six recently commendations for the mini of replications

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Q Keywords: Control charts Minimum number of replications Monte Carlo simulations

Q Mathematics Subject Classification: 62P30

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