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| Journal Name: | [**Asian Journal of Probability and Statistics**](https://journalajpas.com/index.php/AJPAS) |
| Manuscript Number: | **Ms\_AJPAS\_139793** |
| Title of the Manuscript: | **Monitoring Dispersion in the Compressive Strength of Parts Using Group Runs Control Chart** |
| Type of the Article | **Research Paper** |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | Shewhart charts are effective in identifying large process shifts. In addition to being used in conventional manufacturing procedures, these charts have also been used in a variety of industries, including public health monitoring, Finance, Supply chain management and IT. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes, title is suitable to the study |  |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | Reframe the abstract. Start it with some impressive words, make it more elaborative. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Please provide some basic information about Synthetic control chart and its algorithm. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Reference section is recent and sufficient. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | Language quality is good. |  |
| **Optional/General** comments | **Kindly mention the name of software used for data analysis**  Accept for publication after some changes mentioned |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Dr. Ketki Kulkarni, BSSS Institute of Advanced Studies, India**