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# Attribute Control Chart for Multivariate Poisson Distribution

Jing-Er Chiu 🔀 & Tsen-I Kuo

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### **Abstract**

In this study, a control chart is constructed to monitor multivariate Poisson count data, called the MP chart. The control limits of the MP chart are developed by an exact probability method based on the sum of defects or non conformities for each quality characteristic. Numerical examples are used to illustrate the MP chart. The MP chart is evaluated by the average run length (ARL) in simulation. The result indicates that the

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We are thankful to the editor and referee for their detailed comments that improved the final version of the article.

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