Erratum to: Computing exact bundle compliance control charts via probability generating functions

Binchao Chen · Timothy Matis · James Benneyan

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The original version of this article unfortunately contained several errors in typesetting the original submission. Minor errors have been omitted from this er-

ratum for the brevity, but significant mathematical ones are given below.

1. In table 1, column in line 11 should be n_j and in line 12 should be x_j .
2. Equation 4 should read

$$P(T = t) = \sum_{x_1=\max\left(0, t-\sum_{i=2}^J n_i\right)}^{\min(t, n_1)} \left[P(X_1 = x_1) \left(\sum_{x_2=\max\left(0, t-x_1-\sum_{i=3}^J n_i\right)}^{\min(t-x_1, n_2)} P(X_2 = x_2) \left[\sum_{x_3=\max\left(0, t-x_1-x_2-\sum_{i=4}^J n_i\right)}^{\min(t-x_1-x_2, n_3)} P(X_3 = x_3) \dots \right. \right. \right. \\ \left. \left. \left. \dots \left(\sum_{x_k=\max\left(0, t-\sum_{i=1}^{k-1} x_i - \sum_{i=k+1}^J n_i\right)}^{\min\left(t-\sum_{i=1}^{k-1} x_i, n_k\right)} P(X_k = x_k) \dots \left[\sum_{x_{J-1}=\max\left(0, t-\sum_{i=1}^{J-2} x_i - n_J\right)}^{\min\left(t-\sum_{i=1}^{J-2} x_i, n_{J-1}\right)} P(X_{J-1} = x_{J-1}) P\left(X_J = t - \sum_{i=1}^{J-1} x_i\right) \dots \right] \right) \right] \right]$$

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B. Chen
Level 3 Communications, Broomfield, CO, USA
e-mail: binchao.chen@gmail.com

T. Matis (✉)
Department of Industrial Engineering, Texas Tech University,
Lubbock, TX, USA
e-mail: timothy.matis@ttu.edu

J. Benneyan
Healthcare Systems Engineering Institute, Northeastern University,
Boston, MA, USA
e-mail: j.benneyan@neu.edu

3. On line number 14 of page 3 and throughout the worked examples of section 4, $\left(\frac{N}{t}\right)$ should be replaced with $\binom{N}{t}$. The third combination term in these worked examples should be $\binom{2}{1}$ rather than $\binom{2}{2}$.
4. On lines 28–29 of page 3, $\sigma = \sum_{j=1}^J n_j p_j (1 - p_j)$ should be $\sigma^2 = \sum_{j=1}^J n_j p_j (1 - p_j)$.
5. In the worked examples of section 4, the joint probabilities should be summed rather than multiplied.
6. On line number 18 of page 5, the probability generating function should read $P(X = k) = \frac{d^k}{dX^k} \frac{G_X(z)}{k!} \Big|_{z=0}$.