A note on the g and h control charts

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Abstract

In this note, ...

Keywords: control charts, geometric distribution, maximum likelihood estimator, minimum variance unbiased estimator, g and h charts.

1   Introduction

Introduction here....

2   Basic ......

For example, Benneyan (1999), Benneyan (2000), to name just a few ......

It is iemediate from Lehmann and Casella (1998) that ....

We can employ the Rao-Blackwell theorem (Rao, 1945; Blackwell, 1947) ......

For example, Minitab (2020) uses ....

It should be noted that the R language provides the `hypergeo` package to calculate the hypergeometric function; see Hankin (2016).

In his thesis (Gao, 2020)

Jeong et al. (2018)

Ouyang et al. (2019)

Eun et al. (1989)

3   Equation......

In Section 2, we reviewed .... In this section, we will solve some equations.

We have

$$x + y = 0 \tag{1}$$

Substituting $x = -3$ into (1), we have

$$y = 3.$$

However, if one use $x = -10$ in (1), then we have

$$y = 10.$$

We solved an equation. In Section 4, we will incorporate this result into several engineering applications.

4   Application ......

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