Report
for
"Inventory model for three-parameter Weibull deterioration and partial backlogging"
2019/JAMCS/49859

Below are some remarks for this paper:

- Page 1, line 10-: It is better to use another notation for the variable of function f (not χ, which is the name of the random variable), such as:

$$f(t) = \alpha\beta(t-\gamma)^{\beta-1}e^{-\alpha(t-\gamma)^{\beta}},\ t > 0.$$

- Page 2, lines 2+, ... 4+: reformulate the phrase "Model that starts ..."
- Page 2, line 15+: reformulate the last part of the phrase "... and the location ..."
- Page 3: The first-order linear differential equation with variable coefficients (3.1) has another solutions, expressed by using the exponential function. The function from (3.2) is not a solution for equation (3.1). Besides, for a first-order differential equation, like (3.1), the boundary condition consist in one relation, not two relations. Here the author must impose only the condition $q_1(t_1) = 0$, and after that to compute $q_1(0)$.

So, the author must verify the differential equation (from Page 3, line 15+) which models this process, or solve correctly equation (3.1).

- Here, P is a constant ?
- Write all the numbers of the equations at the end (or bottom) of the lines.
- When the author uses at the beginning of the line the word "where" or "with", he must write this word with small letters, and put a comma at the end of the previous line.
- Page 6, in Example 4.1 and Example 4.2, write: "The example presents ..."
- Page 6, lines 10-, ... 7-: reformulate the last two phrases.

The paper must be revised according to the above remarks.