**Dear Editor**

This is my review on manuscript number RESS\_2019\_1329 titled *“****TTT-SiZer: A graphic tool for aging trends recognition****”*. This paper has aimed to present a new procedure to explore life data for discovering aging trends in the underlying life distribution. In this regard, a new graphical test is presented by means of scale and space inference about the Total-Time-on-Test transform and its first and second derivatives. Here I left some comments on the manuscript. This is an interesting paper and I suggest its acceptance after revision. To help improve quality of this paper, I provide my comments as below:

1. Introduction section is very short. The research mentioned in this section is not well described. The literature is not well treated and there is no enough mentioned up-to-date papers as references. The authors made no effort to organize the information and to provide a structured literature review.
2. In Section 2 the Total-Time-on-Test transform is defined. TTT transform in the other references such as (Rausand and Høyland, 2003 or Zaretalab et al. 2018) is described completely. Therefore, it is not necessary to present these concepts in the present manuscript. It is enough to refer to the sources that provide it.

Rausand, M., & Høyland, A. (2003). System reliability theory: models, statistical methods, and applications (Vol. 396). John Wiley & Sons.

Zaretalab, A., Haghighi, H. S., Mansour, S., & Sajadieh, M. S. (2018). A mathematical model for the joint optimization of machining conditions and tool replacement policy with stochastic tool life in the milling process. The International Journal of Advanced Manufacturing Technology, 96(5-8), 2319-2339.

1. Particularly authors should highlight what are the main advantages and what is the novelty of the proposed method. Why constructed local-polynomial estimators for the TTT-curve and its first and second derivatives have better performance than other methods?
2. Please have your paper proof read by a native English Speaker or a person more familiar with the English language. The paper should be written in 3rd person not 1st person. If you refer to yourself do not use “I” or “we” use “the authors” but use it only if you want to stress a point or state this is your important opinion.
3. Conclusion needs to be extended by comparison with similar studies and discussion about unique results of the study.