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| Book Name: | [**Mathematics and Computer Science: Research Updates**](https://www.bookpi.org/bookstore/product/mathematics-and-computer-science-research-updates-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4304** |
| Title of the Manuscript: | **Mathematical Model and Prediction Analysis of Automobile Power Battery Decommissioning Based on Weibull Distribution** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment | Author’s Feedback*(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimumof 3-4 sentences may be required for this part.** |  |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** |  |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. |  |  |
| **Is the manuscript scientifically, correct? Please write here.** |  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** |  |  |
| Is the language/English quality of the article suitable for scholarly communications? |  |  |
| Optional/Generalcomments | **The paper looks at how to handle old car batteries using a Weibull distribution model. This topic is important because more electric vehicles are being used and there are concerns about what to do with their batteries. However, the paper needs a lot of improvements.**  **- Using the Weibull distribution to study how long products last and when to retire them is not a new idea. Many past studies have already used this method for battery life predictions. The authors should explain how their work is different and why it's valuable.**  **- The paper doesn't introduce any new theories or changes to existing methods. The ideas used are mostly borrowed from other research. The authors should think about using new modeling techniques or blending the Weibull distribution with other methods to make their work unique.**  **- Although the paper includes data analysis, it doesn’t go deep enough into what the findings mean. It would be better if the authors discussed how their results add to what we already know and what they suggest for future research or practical uses.**  **- The paper doesn’t talk enough about the bigger picture of battery disposal and recycling. Discussing topics like sustainability and policies would make the research more engaging and useful for people interested in the topic.**  **- The authors do not encourage discussion about future trends in battery technology and disposal. They should discuss how changes in the industry, like improvements in battery materials and recycling methods, might affect their predictions.**  **The authors should provide a thorough review of previous studies to show how their work is different and adds to what has been done before. They should also include references to recent studies that used similar methods and relate their findings to this paper.** |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment***(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** | |
| Name: | **Ebrahim E. Elsayed** |
| Department, University & Country | **Mansoura University, Egypt** |