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| Book Name: | [Engineering Research: Perspectives on Recent Advances](https://www.bookpi.org/bookstore/product/engineering-research-perspectives-on-recent-advances-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5675** |
| Title of the Manuscript: | **Analysing various Regression Models for Data Processing** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Journal ofInternational Journal of Innovative Technology and Exploring Engineering, 8(8): 731-736, 2019.**

**DOI:** [**10.1504/IJICA.2017.10005901**](http://10.0.5.224/IJICA.2017.10005901)

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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.** | **Explores different types of regression models to understand how they can be used to make predictions from data. Compares models like linear, polynomial, and Gaussian regression to see which one works best, wrote their own code without using built-in functions, making it a helpful learning resource. It shows how regression can be used in real-life situations and helps researchers choose the right model for their data.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Suitable** |  |
| 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. | **Not fully comprehensive. It shows lack in the problem being addressed, the precise outcomes, and the importance of the findings. Proper abstract would include the study’s goal, methods, key results, and conclusions.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **correct** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Partially sufficient but not fully recent. Most reference are older than 10 years. Add 3 to 5 % new references that focus on advance regression techniques, Machince learning framwrok and optimizing method.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Suitable |  |
| Optional/Generalcomments |  |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment*(if agreed with the 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 detail)* |  |

**Reviewer details:**

**Anshu Shrivastava, India**