Review Form 2

Book Name:	Mathematics and Computer Science: Contemporary Developments
Manuscript Number:	**Ms_BPR_ 3819**
Title of the Manuscript:	**Logistic regression and its implementation for email spam filtering**
Type of the Article	**Book chapter**

PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	**This research offers a useful solution for email spam filtering using logistic regression. The results are excellent, with the model achieving high accuracy (92.41%) in identifying spam emails, verified using two standard datasets (UCI and Enron). What makes this work valuable is its practical focus on data cleaning and preparation before model building, making it helpful for both researchers and developers working in email security.**	
Is the title of the article suitable? **(If not please suggest an alternative title)**	**Yes, the title is suitable for this research paper**	
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.	**After reviewing the abstract, I suggest adding two key elements to make it more comprehensive:** 1. **The achieved quantitative results (92.41% accuracy rate, ROC curve area of 0.9759, and false positive/negative rates of 5.78% and 2.50%), which demonstrate the model's effectiveness.** 2. **A clear description of the methodology, mentioning both UCI and Enron datasets and specifying the feature selection process (35 features selected from 59 analyzed features).**	
Are subsections and structure of the manuscript appropriate?	**Yes, the manuscript's structure and subsections are appropriate**	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	**The manuscript demonstrates scientific reliability through its logistic regression methodology tested on two datasets (UCI and Enron), with thorough data preprocessing and feature selection (35 out of 59 features). The research achieves strong results with 92.41% accuracy and well-documented error rates (FPR: 5.78%, FNR: 2.50%), while maintaining transparency in its implementation and validation through ROC curve analysis (AUC: 0.9759).**	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -	**Yes, the references are sufficient for this research paper.**	
Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**	The article's English is generally understandable but requires minor revisions to meet scholarly publication standards.	
Optional/**General** comments		

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)***	

Reviewer Details:

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