

### Review Form 3

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|--------------------------|---|
| Journal Name:            | <a href="#">Asian Journal of Probability and Statistics</a> |
| Manuscript Number:       | Ms_AJPAS_130232   |
| Title of the Manuscript: | Predictive model for depression with medical intervention   |
| Type of the Article      |   |

#### **General guidelines for the Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **Important Policies Regarding Peer Review**

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**Review Form 3**

**PART 1: Comments**

|  | Reviewer's comment  | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|--|---|---|
| Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part. | This manuscript addresses a critical issue in mental health, specifically focusing on the prevalence of depression among police officers, a demographic often subjected to high stress and unique occupational challenges. By developing a predictive model utilizing symptoms exhibited by patients, the study aims to enhance early detection and intervention strategies for depression, which is vital for effective treatment and prevention of severe outcomes, including suicide. The incorporation of medical interventions into the model further underscores its practical significance, as it provides insights into how treatment can influence the transitional probabilities of depression status. Overall, this research contributes valuable knowledge to the scientific community by advancing methodologies for mental health assessment and intervention, particularly in high-stress professions. |   |
| Is the title of the article suitable? (If not please suggest an alternative title)   | yes   |   |
| 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.      | The abstract should explicitly state the primary objectives of the study. For instance, it could mention the specific aims related to the predictive modeling and how it addresses early detection and intervention for depression. A concise summary of key findings would enhance the abstract's impact. For example, stating how much medical intervention reduced depression probabilities would give a clearer picture of the study's significance.  |   |
| Is the manuscript scientifically, correct? Please write here.  | There are some concerns regarding the method.   |   |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.                              | Lack of citations is observed in this study.  |   |
| Is the language/English quality of the article suitable for scholarly communications?  | The manuscript contains several sentences that are unclear or poorly structured. There are numerous grammatical errors throughout the text, such as subject-verb agreement issues.  |   |
| <u>Optional/General</u> comments   |   |   |

**PART 2:**

|  | Reviewer's comment   | Author's comment <i>(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)</i> |
|--|--|--|
| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |  |

**Reviewer Details:**

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|----------------------------------|---|
| Name:                            | Kimia Kazemzadeh  |
| Department, University & Country | Universal Scientific Education and Research Network (USERN), Iran |