Citation Report

1. Introduction

This report documents all relevant works and libraries utilized in the development of the predictive model. Proper citations are provided to acknowledge the contributions of others in this field.

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2. Libraries Used

The following libraries were used in the development of the model:

1. **Pandas**:
    - **Version**: 2.2.2
    - **Purpose**: Data manipulation and analysis.
    - **Citation**: McKinney, W. (2010). Data Analysis in Python. In: Python for Data Analysis. O'Reilly Media.
2. **NumPy**:
    - **Version**: 1.26.4
    - **Purpose**: Numerical computations and array handling.
    - **Citation**: Harris, C. R., Millman, K. J., van der Walt, S. J., Gommers, R., Virtanen, P., Cournapeau, D., ... & Oliphant, T. E. (2020). Array programming with NumPy. Nature, 585(7825), 357-362.
3. **Scikit-learn**:
    - **Version**: 1.5.2
    - **Purpose**: Machine learning algorithms and evaluation metrics.
    - **Citation**: Pedregosa, F., Varoquaux, G., Gramfort, A., Michel, V., Thirion, B., Grisel, O., ... & Dubourg, V. (2011). Scikit-learn: Machine Learning in Python. Journal of Machine Learning Research, 12, 2825-2830.
4. **Matplotlib**:
    - **Version**: 3.9.2
    - **Purpose**: Data visualization.
    - **Citation**: Hunter, J. D. (2007). Matplotlib: A 2D graphics environment. Computing in Science & Engineering, 9(3), 90-95.
5. **Seaborn**:
    - **Version**: 0.13.2
    - **Purpose**: Statistical data visualization.
    - **Citation**: Waskom, M. L. (2021). seaborn: statistical data visualization. Journal of Open Source Software, 6(60), 3021.

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3. Relevant Works

- **Foundational Concepts**:
    - Breiman, L. (2001). Random Forests. Machine Learning, 45(1), 5-32.
    - This paper introduces the Random Forest algorithm used in the model.
- **Data Preprocessing Techniques**:
    - Little, R. J. A., & Rubin, D. B. (2002). Statistical Analysis with Missing Data. Wiley-Interscience.
    - Discusses techniques for handling missing data, relevant to the preprocessing steps taken.

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4. Plagiarism Declaration

I declare that this work is original and that all contributions from other authors have been properly cited. The code, methodologies, and analyses presented in this report are my own, and any direct quotations or close paraphrases from other works have been appropriately referenced.

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5. Acknowledgments

- I would like to thank [insert any mentors, peers, or institutions that assisted you] for their guidance and support throughout this project.