**GROUP AGREEMENT**

**We (the students in this group) share the following goals and expectations, and agree to these policies, procedures, and consequences.**

1. Student names. (The project is to be done in groups of 3 students.)

Sibo Wang

Xuan Ji

Jiulong Xu

1. Goals: What are our team goals for this project? What do we want to accomplish? What skills do we want to develop or refine?

Our team's goal is to build and compare different machine learning models to accurately predict whether a patient needs to be admitted to the ICU after surgery. Through this project, we hope to improve our ability to handle medical data and master key skills such as data preprocessing, feature selection, and model tuning. We also hope to further master Python and Jupyter, develop teamwork skills, and gain a deeper understanding of the application performance of different algorithms in classification problems.

1. Expectations: What do we expect of one another in regard to attendance at meetings, participation, frequency of communication, the quality of work, etc.?

We expect team members to attend all meetings on time, actively participate in discussions, and ensure clear progress in each meeting. There will be a fixed 2-hour meeting every Tuesday and Saturday to report progress and make plans for the next step. At the same time, we will maintain daily communication through social software to solve problems in a timely manner. We hope that each member can ensure the high-quality completion of the assigned tasks, and seek help in time if there are difficulties, so as to ensure the smooth progress of the project and the quality of the overall results meet expectations.

1. Policies and Procecudes: What rules can we agree on to help us meet our goals and expectations?

All team members must attend the regular meetings on Tuesdays and Saturdays. If you are unable to attend, you must notify the team at least 24 hours in advance and explain the reason.

Each member should actively participate in the discussion during the meeting and share their own progress, questions and ideas to promote the overall progress of the team.

We will maintain daily communication on social software and require members to update their work progress or raise questions in the group at least every two days to ensure information sharing.

Each task should be submitted before the agreed deadline, and any delays should be communicated to the team in advance to ensure that it does not affect the overall progress of the project.

When one member encounters difficulties, other members should provide help and suggestions to ensure the project goes smoothly and solve the problem.

1. Consequences: How will we address non-performance in regard to these goals, expectations, policies and procedures? (Such as/including recording in peer self-assessment at end of project)

If a team member fails to meet established goals, expectations, or comply with policies and procedures, we will take the following actions:

Initial Reminder: Upon first failure to comply, the team will provide a friendly reminder and discuss how to improve.

Team discussion: If the problem continues to occur, the team will hold a meeting to discuss the cause and develop a corresponding improvement plan.

Adjust task assignments: If necessary, if a member continues to be unable to complete tasks, the team will reallocate that member's tasks to ensure that the project can proceed as planned.

Recorded in peer evaluation: At the end of the project, the performance of all team members will be recorded in peer evaluation, and any failure to perform duties will affect the final evaluation.