

Group Contract Agreement

THIS AGREEMENT ("Agreement") is made and entered into this day by and among the undersigned members: Sungha Choi, Stanley Kurniawan, Yaroslav Yaldin, and Lyza Kopyl hereinafter collectively referred to as the "Members".

RECITALS:

The Members engaged in a project wish to formalize their collaboration and expectations in an effort to optimize their collective performance and efficiency. The Members hereby agree to the following terms and conditions:

ARTICLE 1: OBJECTIVES

Section 1.01: The Group's primary objectives are multifaceted: enhancing collective teamwork skills, fostering an environment conducive to developing advanced time management strategies, and honing communication and task delegation capabilities within the confines of the assigned project.

Section 1.02: The Group endeavors to design and execute a robust, adaptable, and transferable data analysis methodology capable of extending to varied contexts beyond the immediate scope of the current project. The Group aims to leverage this methodology to extract meaningful insights from complex datasets, thereby increasing the overall efficacy of the project outcomes.

Section 1.03: In the course of this project, the Group intends to bolster proficiency in the R programming language, providing Members with a platform for the practical application of programmatic data manipulation and analysis. The Group also seeks to acquire a comprehensive understanding of relevant modeling techniques, including but not limited to, K-nearest neighbor and regression models. The exploration and utilization of these modeling techniques will be done in alignment with the specifics of the dataset and the research question at hand, with the aim of enhancing Members' critical thinking and problem-solving skills.

Section 1.04: A key commitment of the Group involves refining skills in data visualization, classification, and evaluation, consonant with knowledge acquired during formal lectures. The Group recognizes the importance of data visualization in communicating complex data findings effectively. Therefore, the Group will dedicate effort to mastering various visualization techniques to enhance the interpretation and presentation of the project results.

Section 1.05: The Group will promote a culture of continuous learning and peer support, aiming to enhance the individual and collective understanding of advanced data analytics principles. The Group is committed to cultivating an environment where constructive feedback is encouraged and personal growth is prioritized.

ARTICLE 2: EXPECTATIONS

Section 2.01: The Group commits to convene for a weekly meeting via Zoom. These meetings serve as a platform for open dialogue, wherein Members will discuss project progress, share updates, troubleshoot issues, and distribute tasks for the ensuing period. Members are expected to attend these meetings consistently and participate actively.

Section 2.02: The Group obliges itself to institute a peer-review mechanism, wherein the code authored by one Member is critically evaluated by another prior to its incorporation into the primary project branch. This practice promotes mutual learning, quality assurance, and a collective sense of responsibility for the project output.

Section 2.03: The Group acknowledges that frequent and effective communication is the cornerstone of successful collaboration. Members are expected to maintain open lines of communication, respond to queries in a timely manner, and proactively report on individual progress.

Section 2.04: Quality of work is paramount in the Group's ethos. Each Member is expected to strive for excellence in their assigned tasks, ensuring their output is accurate, thorough, and aligns with the Group's agreed-upon standards.

Section 2.05: The Group is committed to fostering an environment of mutual respect and professionalism. All interactions among Members should be conducted with courtesy, understanding, and respect for each individual's ideas and contributions.

Section 2.06: The Group recognizes the importance of shared understanding and consensus. Therefore, all major decisions regarding the project shall be made collectively, with due consideration for each Member's input and perspective.

ARTICLE 3: POLICIES & PROCEDURES

Section 3.01: The Group agrees to foster a culture of mutual accountability and ensure a balanced distribution of workload among Members. This includes both the sharing of

responsibilities and the provision of support when Members face challenges in their assigned tasks.

Section 3.02: Members are obligated to communicate promptly any significant personal or academic circumstances that may impede their ability to contribute fully to the project. This promotes understanding and allows for timely adjustments in project planning and task allocation.

Section 3.03: The Group shall maintain a shared repository for all project-related resources, documents, and code. This ensures accessibility to crucial information and facilitates cooperative work.

Section 3.04: All Group-related communications shall be conducted via agreed-upon platforms to ensure transparency, traceability, and accessibility of discussions for all Members.

Section 3.05: In the interest of continual improvement, the Group agrees to periodically review and, if necessary, revise its objectives, expectations, policies, and procedures. This process is crucial to adapt to evolving circumstances and to optimize Group performance and satisfaction.

ARTICLE 4: CONSEQUENCES

Section 4.01: In the event of non-performance, underperformance, or violation of these objectives, expectations, policies, and procedures, the Group shall first attempt to address and rectify the issue internally. This may involve candid discussions, constructive feedback, and possible redistribution of tasks.

Section 4.02: Persistent non-compliance by any Member that undermines the Group's performance and harmony shall result in escalated measures. This could include a formal meeting with the Members concerned to discuss potential solutions or adjustments to their role and responsibilities within the Group.

Section 4.03: In cases where internal conflict resolution mechanisms fail to address the issue satisfactorily, the Group reserves the right to escalate the matter for discussion and arbitration with the appointed group Teaching Assistant (TA). This escalation aims to involve an impartial third party in resolving disputes and reinstating the Group's operational efficacy.

Section 4.04: Should a Member persistently fail to comply with the Group's agreed standards, despite internal conflict resolution attempts, it becomes necessary to seek external intervention. After consultation with the Teaching Assistant (TA) and in compliance with the academic institution's policies, the Group may consider implementing more stringent corrective measures.

These measures may encompass a variety of actions, such as a substantial modification of the offending Member's role or responsibilities within the Group. In severe cases, the Group may propose the removal of the Member from the Group, subject to the approval of the TA or course instructor. However, it is ultimately the prerogative of these third parties - the TA and course instructor - to decide upon and administer the appropriate remedy for persistent non-compliance in accordance with institutional rules and regulations.

By signing below, each Member acknowledges having read and understood this Agreement in its entirety and commits to abide by its provisions. They also understand that failure to adhere to these provisions may lead to consequences as described above:

Sungha Choi

Stanley Kurniawan

Yaroslav Yaldin

Lyza Kopyl