STAT 301 Team Contract (Group 4)

GOALS:

- What are our team goals for this project?
    - Make a competent report with consistent quality that meets the standards of all group members within the scheduled time frame
    - Collaborate on future group assignments
    - Minimise errors

- What do we want to accomplish?
    - Complete all tasks in the project within the scheduled deadlines to create a competent R report
    - Connect with each other
    - Obtain a better understanding of statistical inference and R coding

- What skills do we want to develop or refine?
    - Complete all tasks in the project within the scheduled deadlines to create a competent R report Read and interpret data properly
    - Write effective R code and data analysis
    - Proper and efficient communication of our findings
    - Better teamwork and communication skills

EXPECTATIONS:

- What do we expect of one another regarding attendance at meetings, participation, frequency of communication, quality of work, etc.?
    - Regular communication at the beginning of each week before the deadline of each deliverable through group chat
    - Equally divided amount of work for each group member, with an open communication channel for when doubts and questions come up
    - Effort in helping each other throughout the project
    - Attendance in all scheduled meetings, except in the occurrence of extraordinary circumstances
    - Exceptional quality of work that reflects a reasonable amount of effort

Nicholas Tam: Mondays, Wednesdays and Fridays before 1330 and after 1700, Tuesdays before 1030 and after 1400, Thursdays before 1030 and after 1800, regularly free on weekends.
Hanxi Chen: Mondays and Wednesdays before 2:00 pm and after 6:00 pm. Tuesdays and Thursdays after class until 3:00 pm. Usually free on weekends.
Levi Zeng: After class Tues/Thurs (2:00pm). Weekends.
Xinyang Deng: Tuesday/Thursday class time, and 2:00 pm to 4:00 pm.

    - Potential meeting times
        - Tues/Thurs: 1400 - 1500
        - Weekends

- What are our internal deadlines? (Warning: if working on separate parts, do not aim to put all the parts together on the last day – it takes time to integrate multiple parts).
    - Each assignment should be complete and ready for submission at least 24 hours prior to the due date
    - Respond to group chat messages within 24 hours
    - If there are separate parts, put them together at least 1 week before the due date to organise everything

POLICIES AND PROCEDURES:

- What rules can we agree on to help us meet our goals and expectations?
    - Contact others frequently on project results (1+ times per week)
    - Everyone must agree on what parts of the project they are focusing on
    - Encouraging each other rather than negatively criticising in terms of working on the project
    - Everyone in the group must help each other to address the problems

CONSEQUENCES:

- How will we address non-performance regarding these goals, expectations, policies and procedures?
    - Inform instructor or group TA when there is a lack of accountability from a group member
    - Talk to them and make sure they understand their role as a group member
    - Start with a warning after no contact for 2 weeks without explanation, then report to instructor if nothing changes after 1 more week

DATA:

- Many data analyses start with a question or questions we are interested in. Then we find or collect data to answer the question(s). Decide with your team members a topic of interest you want to work on and identify a dataset to work with. Include a brief description of the dataset (2 or 3 sentences) and a link or reference on how to access the dataset. Note that in the next individual assignment you will be asked to fully describe the dataset.
    - The datasets contain processed angiography data on patients in various clinics in 1988, applying a model derived from test results of 303 patients undergoing angiography at the Cleveland Clinic in Cleveland, Ohio to estimate probabilities of angiographic coronary disease. The data for each location were initially in a .data format; for the purposes of the project, they will be converted to a .csv format, modified to contain the data's corresponding columns.
    - Link to dataset package: Heart Disease - UCI Machine Learning Repository
    - Introductory paper for dataset package: https://pubmed.ncbi.nlm.nih.gov/2756873/
    - Conversion from .data to .csv: https://22vignesh97.medium.com/converting-data-file-to-csv-file-and-read-through-jupyter-notebook-b88b516c4c17

GROUP MEMBER SIGNATURES:

- Tsun Li Nicholas Tam
- Hanxi Chen
- Xinyang Deng
- Levi Zeng