I. Poster guidelines

(1) Groups will present posters from **5-7pm on Tues May 16 in 34-401**. Attendance is required. If you are unable to make it, please contact the course staff immediately.
(2) Posters should be 36" x 48". To use the free poster printing provided, you should email papadop@mit.edu with your poster in PDF form by **Mon May 13 9am**. You will be emailed when your poster is ready, and it will be available outside 39-376. If you miss the poster printing deadline, you are responsible for finding a poster printing method.
(3) Final project groups will be assigned in one of the two hour-long shifts. When you are not presenting, you should be learning about the final projects of your classmates.

II. Write-up guidelines

(1) Due **Thurs May 16th at 11:59pm** on Stellar. You are expected to turn in a PDF of your write-up. We strongly encourage you to open source your code and submit a link to it as part of your submission (e.g. a Github repository). You should include a readme file with instruction on how to reproduce your results as well as all the data pre-processing and analysis code. **Please do not include any proprietary data in your submission.**
(2) Each team is expected to turn in a single project report of length at most 2n+2 pages where n is the number of students in the team. References are not counted toward page limit.
(3) You are required to include a section that clearly outlines the contributions of each team member.
(4) You may use any template you want. If you are looking for a clear template, we recommend the MLHC template.
(5) We encourage you to include the following sections in your writeup:
    (a) Introduction: This section should include a brief explanation of your problem and its clinical importance. You should briefly explain your basic approach and your main conclusions. A figure is often helpful to motivate the work.
    (b) Related work: This section should highlight previous work related to your problem and should put your work in a broader context. It may also include a comparison of why previous approaches could not be used to solve your particular problem.
    (c) Methods: Here you should formally define your problem, and describe the method you implemented in detail. Include any simplifying assumptions that you make about your data or the general problem. You should enumerate any modelling choices that you had to make and justify your choices. A main figure illustrating the overall methodology often adds a lot.
    (d) Data and Experiment setup: Include details about your data, what variables you have access to, your cohort selection criteria, and your preprocessing choices. You might find it useful to include a table with population characteristics, or an example of the data available for a specific individual, both before (i.e. the original data) and after any pre-processing (i.e. feature construction), to make the discussion concrete. Describe your benchmarks.

(e) <u>Results:</u> Report the quantitative results of your analyses. You may choose to present graphs or tables, the important thing is that your tables and plots should summarize the relevant results that you got out of the analysis. Comment on these results: are they statistically significant? Are there interesting trends? Do you do significantly better than your benchmarks? Is there a significant treatment effect? You may also present qualitative results such as an in depth analysis of what the approach would do for a few randomly chosen patients.

(f) <u>Discussion</u>: Highlight how your results relate to your original question formulation. Do they support your hypothesis? Do they reveal interesting insights about existing medical practices, global health outcomes, the nature of diseases, etcC? Discuss limitations with your analyses and how they might motivate future research directions.