Dear MBAn Class of 2026,

Welcome to 1**5.003 Analytics Software Tools**! Over the course of this month, we will hold several sessions to get you familiar with different programming languages, software tools, and analytics/mathematical topics.

The Orientation part of this course will be taught in three days:

August 20th: Linear Algebra review

August 21st: Optimization with Julia and JuMP (Julia)

August 26th: Introduction to Python and Github/command line

All coding will be conducted via a Google Colab notebook, which you can execute interactively in your browser with no configuration needed! You can even have access to GPUs (processors specialized to machine learning) for free! The code runs on Google’s servers, and popular packages come pre-installed.

Before the first class, we ask that everyone completes the pre-assignment (link here) which will get you set up with the tools you need for the week (R, Julia/JuMP/Gurobi, Github).In addition, if you are new to programming, please go through the following tutorials: <INSERT HERE>

If you run into any issues or have any questions, please first try your best to debug via Google search, ChatGPT, or ask your classmates. If the issues persist, feel free to email Lisa (for Python/Github questions, [leverest@mit.edu](mailto:leverest@mit.edu)) or Sean (for Julia/JuMP/Gurobi questions, [seanlo@mit.edu](mailto:seanlo@mit.edu)).

Your teaching team,

Lisa Everest and Sean Lo