Final Project implementation

Si152 TA

December 4, 2024

In order to facilitate the testing of each student's code, we need to establish some specifications for the interface.We have provided templates for Python and MATLAB, and we recommend that everyone use them directly.We have made the following specifications for the input variable names.A_1, b_1, A_2, and b_2 represent the inequalities:

$$A_1 x + b_1 = 0$$

and

$$A_2 x + b_2 \leq 0$$

Please refer to the algorithm PDF for the definitions of matrix H and vector g.For Python, the input variables are all NumPy arrays.The function outputs only one variable, 'x', which is the optimized solution obtained from the iteration.If you have any further questions regarding this section, please feel free to contact the teaching assistant via email.You can also ask questions during next week's class.