

# ISYE 3133 Fall 2021

## Project Part 2

This is the second of four parts to this project. In this part, you will implement and solve your LP model from part 1.

Using the data given to you with Part 1, implement and solve your model for the Part 1 problem. Solve your LP model using the gurobipy module of Python.

Any data you use from the given Excel spreadsheet should be read by your code—do NOT hardcode the data. You are permitted to reformat the Excel file however you like, including possibly changing its file type. You may use any module you like for reading in your data; I recommend pandas.

If your model from Part 1 was incorrect, you may submit a revised model at this stage to earn back up to half of the points your group lost in Part 1. Your code will be graded on matching your model, so if you do modify your model, you must submit the revised LP model alongside it.

Your submission for this part of the project should include the following:

- Code: Your .py file of code. It should both run on the grader's computer and find the correct solution.
- Data: If you have modified the Excel file given, submit all of the files your code requires to run. If your code reads in the original spreadsheet as given, you do not need to include the data with your submission.
- Model: If your team has changed your model from Part 1, submit the revised model in the same format as the Part 1 submission. If you have not modified your model, you do not need to include it with your submission.