

ISE410 project

Size: In the project, you have to design, conduct and analyze a screening two-level experiment. The experiment has to have *at least* 4 factors and *at least* 16 total runs. You may use blocking if necessary.

Subject: The subject is entirely up to you. Ideally, this has to be something of interest to you so you can have fun doing it and we all can enjoy your presentation.

Teams: You can either do it alone or form teams up to 4 people in a team.

Deliverables: There are two deliverables. One is a powerpoint (or similar, say, pdf) presentation. The other is a report. The presentation should take 5-10 mins. The report should be fairly detailed discussing motivation, problem formulation, choice of experimental design, description of actual experiment, discussion of assumptions (normality, homoscedasticity etc.), analysis of results, conclusions. See sample reports on course site for a few examples.

Deadlines: The presentations will take place starting during the last week of classes. Yours should be ready by then. The due date for reports is on the last day of classes for this semester.

Distance students: Making presentation is optional. If you decide to do it you can deliver it over the phone.