

## Instructions

The goal of this project is for you to design assignment questions that allow to effectively test and assess your understanding of the course material. You must also provide detailed solutions for your homework questions.

Your assignment exercises should cover a *variety* of topics learned throughout the course and should pertain to material from at least three different chapters (not including the introduction chapter and the chapter on likelihood inference).

Your assignment should consist of

1. Multiple choice questions (minimum of five, see quizzes for examples).
2. Multiple part questions (minimum of three, maximum of five). At least two of these questions should involve data (although both can use the same dataset). Some of the questions should also involve programming questions (requiring SAS).

The dataset(s) must be publicly available and be different from those used in class.

## Grading

The projects will be graded according to the following criteria:

1. Creativity and originality
2. Level of difficulty
3. Quality and completeness of the solutions
4. Variety of questions

Good questions will be different from those in the exercises/quizzes/assignments. I suggest you to phrase your questions so as to make the best use of your datasets (questions of scientific interest arising from the analysis).

## Instructions

- The final project should be done in groups of **two** to **three** students.
- Projects must submitted through ZoneCours in a ZIP file at the latest December 16th, 2020.
- Students may opt out instead to submit parts of their project alongside Assignments 1-3 for timely feedback before the final submission.
- Use Piazza to inform me of your teammates names.

Your project should consist of the following files

- source file (e.g., Word Document `.doc`,  $\text{\LaTeX}$  `.tex` or Markdown `.md`),
- two separate PDF files: one for the homework questions and one for the solutions.
- the corresponding SAS code for the solutions
- the SAS dataset(s) (no larger than 5MB each), each documented
- detailed reference for the source of the data, including a link and a description of the dataset (this could be incorporated in the homework questions file).
- Each team must also provide a very brief description of each team members' contribution to the group project. This can be given at the end of the solutions file.