BAYESIAN STATISTICAL MODELING AND COMPUTATION

ENGG 107

Problem Set 1 - Solution

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1. Review the entire course syllabus on CANVAS.

2. Review the documents linked under academic integrity.

3. Review the statement on "Students' Consent to recording of course meetings and office hours that are open to multiple students".

4. Please address whether (and why) the following cases are consistent with the academic integrity rules this course abides by:

   (a) **You collaborate with a few fellow students after class on how to tackle a problem set by discussing the background papers and the example codes provided in class. Then you write your code by yourself, cite all sources, and acknowledge the discussions with your fellow students by name. (3 points)**

   > **Solution:** The aforementioned situation is consistent with the academic integrity rules. The academic honor principle of the college mentions "unauthorized collaboration" as a violation. However, what constitutes unauthorized collaboration is left to the discretion of the course instructor. In this course, as long as ideas are attributed to their intellectual origin, collaboration is highly encouraged.

   (b) **You download a code that does a similar task and analyze the flow, logic, method choices, and the syntax. You then put this code away and write your own code and analysis summary from scratch and cite the sources that served as inspiration. (3 points)**

   > **Solution:** The above case is in compliance with the academic honor principle and the anticipated behavior expected while partaking in the course.

   (c) **You copy code from a fellow student in this course and submit it as your own work without citing the source.(3 points)**

   > **Solution:** The above case is a clear violation of the academic honor principle. To use work that is not your own without citing the source constitutes academic plagiarism.

   (d) **You are unsure about syntax for a function call in the code. You look up an example from the help function and from the web. You copy the expression from the example and change and input names. You do not cite the source for the function call. (3 points)**

   > **Solution:** The above case is a clear violation of the academic honor principle. To use work that is not your own without citing the source constitutes academic plagiarism. Even if a formal citation isn't mentioned in your assignment/project, you should include an inline comment in your code. If you are using any open source software, please follow the guidelines of the corresponding license. For clearer guidance, please refer to MIT's student handbook on academic integrity about writing code linked here : `https://integrity.mit.edu/handbook/writing-code`.

   (e) **You take code from a chat session from openai.com. (3 points)**

   > **Solution:** The above case is a clear violation of the academic honor principle. To use work that is not your own without citing the source constitutes academic plagiarism.

5. **Submit your signed syllabus as well as the answers to questions 4 (a) to 4 (e) as a PDF via CANVAS.**