

This homework is due on Thursday January 30th at 3.30pm. Late submissions are not accepted. Refer to the academic integrity policy in the [syllabus](#) in case you missed it.

Submission Guidelines

- You must make two submissions:
 - Your complete homework as a SINGLE PDF file by the stated deadline to the gradescope. **Include your code and output of the code as texts in the PDF.**
 - Your codes to a separate submission: a single notebook file including your solution code for question 2. (This is for reference only and the class instructors by default will not look at them.)
 - For your PDF submissions:
 - Select the page number for the answer to each question in the Gradescope.
 - You may submit typed or handwritten/scanned answers. If you decide to submit handwritten answers then please ensure that it is easily readable.
 - You can easily scan and upload your answers as a PDF using the Gradescope mobile app.
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1. (30pts) Apart from the examples given in the class, find two news stories in which: (a) one shows that using data science contributes positively to the world; (b) the other shows that using data science without caution resulted in negative consequences. For each story, explain: (1) what questions were answered / decision were made using data; (2) what data were used. (You are welcome to use Google search for this question.)
 2. (70pts) Complete the coding questions in the Google Colab notebook [here](#). As part of the submission pdf file, print the notebook containing the answers and results. Be sure to locate your answers for each problem when you submit. In the worst case where you cannot print it into a pdf file somehow, you can create a Microsoft word document and then copy-paste screenshots showing your code and output parts by parts.