Homework #1

Submit via Canvas by uploading a pdf file.
Your submission may be a scan of your well organized, clearly legible, well labelled handwritten work. It is **your responsibility** to **check** that your submission is complete, easily legible, correctly oriented and sized. CamScanner is highly recommended for this.

This assignment consists of 4 parts. Submit them separately.

Note that Part 1 has 2 different due dates.
For students who were enrolled in STAT 340 Autumn 2018, Part 1 is due Wed Jan 16.
For students who were NOT enrolled in STAT 340 Autumn 2018, Part 1 is due Wed Jan 9, with REwrite due Wed Jan 16.

Other than the above, everything is due Wed Jan 16, 2019

Part 1: STAT 340 Final Exam Rewrite
For students who were enrolled in STAT 340 Autumn 2018, this is due Wed Jan 16:
For each problem (1 through 5) on the Autumn 2018 STAT 340 Final Exam that you earned fewer than 10 points, write a complete, clear. well-annotated solution. You do not need to "rewrite" the problem parts for which you did earn full credit.
For students who were NOT enrolled in STAT 340 Autumn 2018, this is due Wed Jan 9:
If you were not enrolled in STAT 340 this past quarter, write complete, clear. well-annotated solutions to each problem. You will receive feedback by Fri Jan 11, and should "rewrite" problems as above.

Part 2: Playing Dumb on Climate Change
Read The New York Times article "Playing Dumb on Climate Change" (posted on course website).
Identify 3 terms or phrases from your introductory statistics course that are mentioned.
For each of those terms or phrases:
* IN YOUR OWN WORDS, briefly explain it, using nontechnical terms.
* Comment on whether it is explained and/or used appropriately here. Clearly justify.

Part 3: Your Statistics & Probability Background
Go back over course & other material from your earlier probability & statistics courses to identify at least one concept or procedure about which you still are not clear. Describe it & try to explain where you stumble in your mastery of that material. You will not be graded on which concept or procedure you select, but on your identification of it & your description of where you remain unclear.

Part 4: Summaries of probability distributions
Create a reference set of notes for yourself - well organized with a section for each of the probability distributions you discussed last term in STAT 340. Include the name of the distribution, its parameterization(s), pdf (& sketch), cdf, mgf, first few moments, situations when its use is suitable, relation to other distributions you know about, connection with Bernoulli, Poisson or other process (if relevant). Leave room for some additional distributions we will introduce this term.