HW00: Student Survey

1. Which of the following courses have you taken:

    (a) Multivariate calculus

    (b) Linear algebra

    (c) Probability and statistics **Yes**

    (d) Algorithms **Yes**

    (e) Computer vision

    (f) Natural language processing **Yes**

    (g) Robotics

    (h) Optimization (linear, quadratic, convex, etc.)

2. List a few CS topics that interest you.

    > Massive-scale learning tasks, particularly those involving NLP. Randomized algorithms. Probabilistic graphical models. Statistical decision theory. Bayesian nonparametric analysis. Kernel methods. Convex optimization. Computational geometry.

3. How would you rate your programming skills (1-10, 10 best)? How would you rate your math skills? Are you familiar with scripting languages like Python?

    > **Programming:** 7? I'm not terrible, but I'm not the best at the U either.
    > **Math:** 7? I'm not the worst mathemetician in CS, but I'm *definitely* not the best.
    > **Scripting languages:** I'm proficient with Python and Ruby. I'm ok with Racket/Scheme and R.

4. What are your goals in this class?

    > Mainly I want to approach a strong mathematical formalization of the methods and techniques commonly used in AI. Implementation experience would also be useful, but it's more important to me that I understand broadly the tenents of the field than it is that I implement something I marginally understand. For example, it would be horrible if I implemented some sort of PGM without understanding in detail how it works.

5. Please be sure that you have subscribed to the `cs5300@list.eng.utah.edu` mailing list.