Stats HW 3: Intro to Maple

We now want to have some experience with software that will do the statistical computations-Since most of you have had Calc Lab, we'll use Maple.

There is a Maple worksheet online that gives some sample commands for working with the Binomial distribution. You should download it, read it, and execute the commands so that you can familiarize yourself with it.

Here are some questions to answer in Maple:

1. Solve problem 5.2 (page 172) in Maple. Note that you must use the `exp` form of the exponential. That is, e^t is written as `exp(t)` in Maple. You may assume that the MGF is as written in the text.

2. Solve problem 5.41 (page 194) in Maple.

3. Solve problem 5.52 (page 195) in Maple.

4. Problem 5.67. After you check to see, is it possible to verify using a plot? If so, try it out.

What should I turn in, and when is it due?

The answers will be due on Wednesday, Nov 5. You will remove the output from your Maple file by going to:

$$\text{Edit} \;\rightarrow\; \text{Remove Output} \;\rightarrow\; \text{From Worksheet}$$

Save the result as `mapleHW1.mw` and email it to me. On the subject line, please put your last name and Stats HW: For example,

Hundley Stats HW