

COMP406, Simulation and Modeling
Lab-5 **Due Dec. 7 2014**

For the Birthday Cakes problem, Assume that we wished to generate a goodwill cost of \$2 for each unsatisfied daily order. (The customer is unsatisfied if he/she comes to order while the store ran out of the cakes, i.e. $d > x$)

1. Use the history daily order in the problem to simulate 10 days of operation when this cost is considered. Use trial production quantities 6,7, and 8. And suggest a production quantity.
2. Repeat 2 for 1000-days of production.
3. Do your results in 2 and 3 agree, Explain why.