Snowball Question:

- What was one memorable thing that you took away from my lecture?
  - This can be positive or negative!

Audience Responses:

THESE ARE WORD-FOR-WORD WHAT WERE WRITTEN, NO CENSORING OR MODIFICATION OF ACTUAL TEXT. NO PARTICULAR ORDER

- Talked about non-linear programs and how to make it fair
- The power that optimization can have in real-world applications
- I think the lecture was neither good nor bad, just fair
- Learned about the idea of fairness and the different techniques to achieve this. Good talk, really interesting stuff.
- Fairness isn't the be all and end all…
  A perfectly fair solution can potentially be: NOTHING EVER GETS DONE
- I took away the definition of fairness
  YALMIP is also a cool tool to find out about
  MATLAB rules!!!
- I took away the definition of a truely fair system.
- It was interesting discussing the real-life problems as examples and trying to formulate a solution =)
- I understand that non-linear optimization problems become much more difficult when dealing with local vs. global extremes
- Real World optimization Is Really tricky
- A memorable think I took away from this lecture is: The difference between temporal and prop fairness. It is really interesting to think about how servers take on jobs. Also I found that servers take longer to do a job if they don't have any jobs in Queue. I think optimization is really interesting
- It was interesting to formally define what a fair system & learn about temporal & proportional fairness.
- What I took away from this lecture was the concept of perfectly fair systems when relating to response time and size of the process. I found it interesting how to formulate it into an optimization problem!
- 1 memorable think I took away from this lecture was learning the idea of fairness and how it works with queues.
- Fairness is Cool.
- non-linear optimization problems are not for me
- The concept of fairness was very interesting. It was also nice to see a complicated implementation of optimization.
- Fairness is hard, Matlab is great.

- Most memorable think I took away from this is learning about how "fair" systems are defined.
- The Definition of fairness
- The "real-world" (Tim Hortons) examples were very clear and made temporal and proportional fairness easy to comprehend!
- The interesting thing I learned is that fairness can be optimized
- I APPRECIATED THE REAL WORLD ANALOGIES
  A.K.A., TIM HORTONS EXAMPLE
- The YALMIP Tool was impressive.
- Snowball
  Memorable thing was just how complex the optimization formula was and how complex the formulation was. I liked it very much.
- That there are different types of fairness
- An interesting topic! Good to know how we have solve real-world problems using these concepts.
- Actually understanding most of the lecture, learning about fairness and how complicated a problem optimization of fairness is. Great lecture!
- Math is hard/fairness and how it relates to systems
- There is always ways to improve the performance of seemingly bulletproof systems, (Google, Tim Hortons, etc)
- I understood that the notation of of fairness is very difficult to define and what the perfect notion of fairness is.
  I also understood the difference and origins of difficulty that arise in non-linear optimization problems.