

COMP4680/COMP8650: Advanced Topics in SML

Assignment #4: Applications

Due: 11:55pm on Sunday 18 September, 2016.
Submit as a single PDF file via Wattle.

Questions are from the textbook *Boyd and Vandenberghe*, “Convex Optimization”, 2004. All questions are of equal value.

- **6.2**
- **6.6** (a) and (b) only.
- **7.6**

Hint: For the second part consider minimizing first over b and then over a .

- **8.24** For this question we are looking for a convex optimization problem. You do not need to give a closed-form solution.