

PROBLEM SET 3

**Due: Friday, March 31, by email**

Please title your email “CSCI599\_PS3”.

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1. Do Exercise 3, part 2, in Chapter 8 of the Shalev-Shwartz–Ben-David textbook.
2. Do Exercise 3 in Chapter 10 of the Shalev-Shwartz–Ben-David textbook.
3. Do Exercise 5.3 of the Kearns–Vazirani textbook.
4. Do Exercise 5.4 of the Kearns–Vazirani textbook.
5. Give an efficient Statistical Query (SQ) algorithm for the class of decision lists. Analyze the complexity of your algorithm.