## COS 511: Theoretical Machine Learning

Hint on HW#3, problem 1b

First, come up with an algorithm that can learn this class in the batch version when s is known. Then consider what would happen if this algorithm were run using a guess for s. How could you detect from the available data if your guess turned out to be incorrect? How would you know if it is safe to stop and output a hypothesis output by that algorithm?

Another hint: There is no need to give the kind of detailed, ad hoc, interval-by-interval argument that you might have used on homework #1. By this point in the course, we have much cleaner and more powerful techniques for analyzing learning algorithms.