Lectures 14, 15

We are covering only the important parts of Chapter 6 on 'kernel' methods. The section on VC dimension in Chapter 7 will be revisited later.

Reading: Sections 6.1, 6.6, 7.1-7.10

1. Problem 6.2

2. Problem 6.10. Note that you are trying to estimate PE(λ) using ASR(λ); however, here PE(λ) is technically the random variable, so the statement is more properly that PE(λ) is a biased estimator of ASR(λ).

3. Problem 7.4