$\operatorname{Quiz}\,2$

Learning in Reproducing Kernel Hilbert Spaces ${\rm DATA}\ 442/642$

Exercise 1 (10 points)

Read Section 11.11, (COMPUTATIONAL CONSIDERATIONS FOR SVM) page 576 from your book. Explain the importance of the Big- \mathcal{O} notation and provide some examples of common Big- \mathcal{O} complexities by looking at a complexity chart. What is the most desirable among the different complexities? Then briefly report the different computational considerations for SVM.