

**JHU Engineering for Professionals**  
**Applied and Computational Mathematics**  
**Data Mining: 625.740**

**Homework 1**

Please read Chapter 1 in **Pattern Classification** by R. Duda, P. Hart, and D. Stork.

Please read Chapter 1 in **Introduction to Machine Learning** by E. Alpaydin.

Please read Chapter 2 in **Understanding Machine Learning: From Theory to Algorithms** by Shai Shalev-Shwartz and Shai Ben-David.

Exercises (Section 2.4 in **Understanding Machine Learning**)

1. on p. 41.
2. on p. 41.
3. on pp. 41, 42.