

Assignment 3: Bayesian Decision Theory

Submission: Thursday February 28th
Maximum 2 students per group

Prof. Fabio A. González
Machine Learning - 2008-I
Maestría en Ing. de Sistemas y Computación

1. [Alp04] Exercise 2 (chap. 3, page 57)
2. [Alp04] Exercise 5 (chap. 3, page 58)
3. [Alp04] Exercise 6 (chap. 3, page 58)
4. [Alp04] Exercise 6 (chap. 4, page 82)
5. [DHS00] Problem 13 (sect. 2.4, page 68)
6. [DHS00] Problem 14 (sect. 2.4, page 68)
7. [DHS00] Computer exercise 9 (sect 2.11, page 81). *Note: do not write a program, instead look for a program that solves Bayesian Networks. Provide a detailed explanation for each answer.*

References

- [Alp04] Alpaydin, E. 2004 Introduction to Machine Learning (Adaptive Computation and Machine Learning). The MIT Press.
- [DHS00] Duda, R. O., Hart, P. E., and Stork, D. G. 2000 Pattern Classification (2nd Edition). Wiley-Interscience.