

School of Computing and Information Systems
The University of Melbourne
COMP90049 Knowledge Technologies (Semester 2, 2017)
Workshop exercises: Week 9

1. Finish questions from last week, where necessary.
2. Revise Support Vector Machines, paying particular attention to the terms “linear separability” and “maximum margin”.
 - (a) What are “soft margins”, and when are they desirable?
 - (b) Why are we interested in “kernel functions” here?
 - (c) Why are SVMs “binary classifiers”, and how can we extend them to “multi-class classifiers”?
3. Demo Project 2. If you wish to use Weka, it can be found at:
<http://www.cs.waikato.ac.nz/ml/weka/>