## School of Computing and Information Systems The University of Melbourne COMP90049 Knowledge Technologies (Semester 1, 2017)

Workshop exercises: Week 9

- 1. Revise the definition of **data mining**. Name the main modes of data mining, and give an example of a task for each one.
- 2. What is the **Naive Bayes** classifier? How does it classify data? What assumptions do we need to make about the data?
- 3. For the following dataset:

apple	ibm	lemon	sun	CLASS
Training Instances				
Y	N	Y	Y	FRUIT
Y	N	Y	Y	FRUIT
Y	Y	N	N	COMPUTER
Y	Y	Y	Y	COMPUTER
Test Instances				
Y	N	Y	Y	?
Y	N	Y	N	?

Classify the test instances according to the method of Naive Bayes, as discussed in this subject.