

School of Computing and Information Systems
The University of Melbourne
COMP30027 MACHINE LEARNING (Semester 1, 2019)

Tutorial exercises: Week 10

1. What is the difference between “model bias” and “model variance”?
 - (a) Why is a high bias, low variance classifier undesirable?
 - (b) Why is a low bias, high variance classifier (usually) undesirable?
2. Describe how validation/development set, and cross-validation can help reduce overfitting?
3. Why `ensembling` reduces model variance?