

CPSC 535D: Assignment 3

March 23, 2007

1. PROBABILISTIC NEAREST NEIGHBOURS

The aim of this assignment is to implement a Bayesian nearest neighbour method introduced by C.C. Holmes and N.M. Adams; see the link to the paper on the webpage. The method will be tested on data which can be obtained at

<http://www.stats.ox.ac.uk/pub/PRNN/>

The reversible jump algorithm developed in the Holmes & Adams paper is quite basic and you are strongly encourage to develop more efficient algorithms.