

DEPARTMENT OF STATISTICS

STATS 760 A Survey of Modern Applied Statistics

Assignment 2 2016 part 1

Due Friday April 8. Hand in or mail to Alan by 5pm.

This assignment is in two parts – the second part will be posted next week.

Q1. Using the material in Venables and Ripley and Hastie et al, write a short account (around 4-6 pages) of one of the following techniques

- (i) Projection Pursuit Regression, or
- (ii) MARS (Multivariate Adaptive Regression Splines)

Your account should include a description of the method, and a worked example showing the R code used to run the analyses.