

MTH 441A: Lab 9

P 1. Consider the Hald Cement data set given in Table 10.1 of Montgomery Book.

(i) Find at least two subset models based on:

- (a) R^2
- (b) R_p^2
- (c) Mallows C_p statistics
- (d) Forward selection
- (e) Backward elimination
- (f) Step wise selection

(ii) For the selected subset models, find

- (a) Value of the PRESS statistics
- (b) AIC
- (c) BIC