

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