MTH 441A: Lab 4

P 1. Consider the **Time Delivery** data set. Compute

(a) Standardized Residuals,

(b) Studentized Residuals,

(c) PRESS Residuals,

(d) R-Student.

P 2. Consider the **Time Delivery** data. Analyse

(a) Plot of fitted values versus R-Student,

(b) Normal probability plot (QQ plot) of the residuals,

(c) Partial regression plots, and

(d) Partial residual plots.

P 3. For the **Electricity Data** and **Windmill Data**, perform Box–Cox and Box–Tidwell transformations. Analyse the residual plots before and afer the transformations.