

MTH 441A: Lab 4

Last Seen: 28 Aug23

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 after the transformations.