Kungliga Tekniska Högskolan

SF2930 Project I

Scenario I: Large-Sample Regression

Isac Karlsson Ludviq Wärnberg Gerdin

Examiner
Tatjana Pavlenko

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1 Residual analysis

1.1 Introduction

1.2 Normality of Residuals

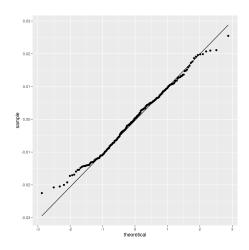


Figure 1: Normality plot of residuals.

1.3 Fitted Against Residuals

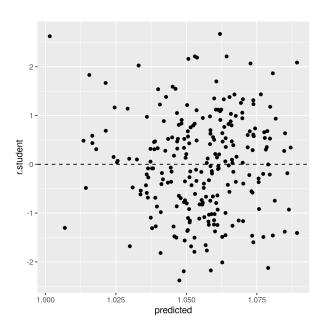


Figure 2: Fitted values against R-student residuals.

1.4 Added Variable Analysis

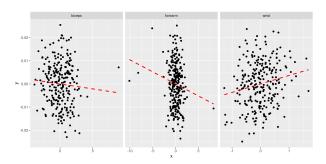


Figure 3: Partial regression plots of regressors biceps, forearm, and wrist.

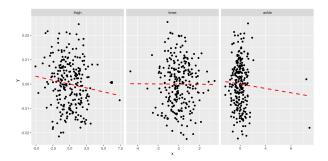


Figure 4: Partial regression plots of regressors thigh, knee, and ankle.

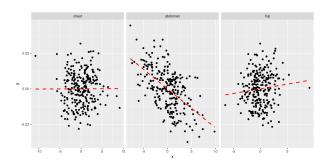


Figure 5: Partial regression plots of regressors chest, abdomen, and hip.

- 2 Outlier detection
- 3 Multicolinearity
- 4 Computer-Intensive Procedures

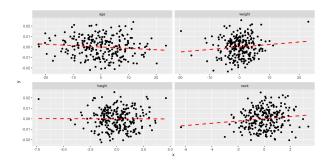


Figure 6: Partial regression plots of regressors age, weight, height, and neck.