

Department of Civil Engineering
2011 Summer Semester
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Environmental Statistics

Outline #06 Multiple Regression Analysis (16 May 2011)

1. F test and ANOVA for regression analysis
 2. Multiple regression analysis
 3. Goodness of fit
 4. General procedure of multiple regression analysis with example
 5. Multicollinearity
 6. Stepwise multiple regression
 7. Overview of regression models (nonlinear regression, GLM, GAM)
 8. Exercise and Report
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