Quantitative Methodology II (數量方法二)
Time: R6R7
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This is the second course of statistical analysis. Students are required to have taken the first course and have gained solid knowledge on descriptive statistics, probability and probability distributions, sampling, point estimation, confidence intervals, hypothesis testing, analysis of variance, and the Chi-squared test. Building upon such a foundation, this course will introduce students to the linear regression model, discrete regression models (such as the logit model, the multinomial logit model, and the ordered logit model), and the estimation methods (ordinary least squares and maximum likelihood estimation) for these models. The course will be empirically oriented with a strong emphasis on data analysis. In addition to regular class sessions, there will also be a weekly lab session on R computing.