Statistics

Lectures

1. Descriptive statistics
   Linear regression

2. Regression (nonlinear, multivariate)
   Overview of tests

3. Probability, random variable

4. Description of random variable

5. Characteristic of data and random variable

6. Important distributions

7. Data sample and point estimates, limit theorem

8. Interval estimates and tests of hypotheses

9. Tests with one/two samples

10. Analysis of variance parametric/nonparametric;
    Independence, association

11. Validation in regression analysis

12. Practicing and repetition

Exercises

Will follow the lectures on computer room, mainly with Statext.