

CHULALONGKORN UNIVERSITY
FACULTY OF ECONOMICS

2946653 Research Methods in Labour Economics
and Human Resource Management

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Office Hour: By appointment

OVERVIEW

The aim of this course is to 'train' students to do research in the field of labour economics and human resource management. This part will teach you how to use some statistical tools in your research. The computer programme intended to use here is EView, the same programme you have studied in your quantitative class. Students are expected to be familiar with this programme and assumed to have some basic knowledge in statistic and econometric.

TEACHING METHODS

At the beginning of each lecture, the instructor will review relevant statistical concepts before asking students to practice with the programme. Students can download data sets for this course from the instructor's website. Exercises should be handed in by the end of each lecture.

Since students have studied the quantitative methods class, this class will not pay much attention to the theoretical side. Practice through exercises is the goal of this class.

Due to space constraint, students should work in pair on each exercise unless the exercise is specified as an individual work. Clearly write down your names on your scripts.

Any cheating will be treated seriously. Since you are working in pair, there is no need for you to copy answers from other classmates. Appropriate penalty will be applied.

OUTLINE

Lecture 1: Friday 9th, December 1800-2100

Basic statistical concepts – mean, variance, covariance and correlation

Lecture 2-3: Saturday 10th, December 0900-1200 and 1300-1600

Two-variable regression model; least-square estimator; the coefficient of determination (or R-squared); Hypothesis testing for the two-variable regression model

Lecture 4: Thursday 15th, December 1800-2100

Multiple regression model and hypothesis testing

Lecture 5: Friday 16th, December 1800-2100

Analysis of Variance; review exercises

TEXTBOOK

Any introductory econometric textbook is sufficed. In particular,

Gujarati, D (2003) **Basic Econometrics** 4th edition, McGraw-Hill: Chapter 1-5, 7-8

Pindyck, R and D Rubinfeld (1998) **Econometric Models and Economic Forecasts** 4th edition, McGraw-Hill: Chapter 1-5

Zikmund, W (2003) **Business Research Methods** 7th edition, Thomson Learning: Chapter 17, 21-23