

Intensive training @ Naresuan University

Topic: Genstat workshop

Date: November 22, 2016 **Time:** 8.30 am. - 4 pm.

Place: Room SC2-407, Faculty of Science, Naresuan University

Contact person: Asst. Prof. Kraisa Kesorn

Audience from

1. Faculty of Science
 - Department of statistics
 - Department of Computer science
 - Department of Biology
 - Department of Chemistry
 - Department of Microbiology
2. Graduate School

Course Content:

1: General introduction of Genstat software

2: Basic Data Analysis and Statistical Tests

- Data visualization and descriptive statistics
- Commonly used Summary Statistics
- Assumption test (normality, homogeneity)

3: Analysis of Variance

- T-test (one-and two-sample)
- ANOVA (one-and two-way)

4: Regression

- Simple linear regression
- Multiple linear regression

5: Nonparametric

- Correlation (Spearman's, Kendall)
- One- sample (Sign)
- Two-sample (Mann-Whitney)
- More than two-sample (Kruskal-Wallis)

6: Chi-square test

Course Structure:

- One-day workshop: Introduction and Demo and Computer practice