

## Workshop Information

### **Acquiring Analytical Methods for Generalized Linear Mixed Models (GLMMs) Using R Based on Examples of Analysis in the Field of Linguistic Research (Conducted in Japanese)**

**Lecturer:** Yu Tamura (Kansai University)

**Chair:** Toshihide O'ki (Hakuoh University)

Date: September 10, 2023, 9:00–12:00 (with intermissions)

Venue: C-18 (Chu-Kougitou), Bungakubu Dai-ni Kougishitsu

Fee: Free (1,000 yen for non-members)

Maximum number of participants: 25

Application deadline: September 3

(Registration will be closed after the number of participants reaches the maximum)

Prerequisite: Participants are required to be familiar with basic data handling in R and understand basic concepts of statistical analysis, especially regression analysis. Please bring a laptop computer with the following two programs preinstalled.

(a) R 3.5.0 or higher version (<https://cran.r-project.org/>)

(b) RStudio Desktop (any version)

#### **Objectives**

1. Understand what a GLMM is
2. Acquire skills to perform GLMMs using R
3. Understand what to consider when reporting the results of the analysis in a paper

#### **Procedure**

1. Theory
2. Practice
  1. Data preprocessing
  2. Data analysis
  3. Interpretation of analysis results
  4. Graphical presentation and reporting of results
3. Questions and answer session

#### **How to register**

1. To register for the workshop, please go to the following website with the URL or QR code below and fill out the necessary information.

URL: <https://forms.gle/fr1oCnsDyFwkW7WXA>



2. If there is a problem with online registration, applicants are also accepted by email to Akiyo HIRAI (University of Tsukuba) at [hirai.akiyo.ft@u.tsukuba.ac.jp](mailto:hirai.akiyo.ft@u.tsukuba.ac.jp)

Let us know the following information when you register for the workshop.

- (1) Your name, affiliation, and email address
- (2) Reason(s) for participating in this workshop
- (3) Questions for the instructor, if you have any (Optional)
- (4) Questions from the instructor
  - Q1. What kind of data do you expect to use in the analysis of generalized linear mixed models (e.g., rating on a questionnaire, correct/incorrect data on a test, reaction time data)
  - Q2. What, if any, difficulties do you have when analyzing generalized linear mixed models?
- (5) Requests for this workshop, or JLTA workshops in general (Optional)