

Workshop Information

Title: Bayesian Statistics and its Application to Foreign Language Teaching

Research (Conducted in Japanese)

Lecturer: Kunihiko KUSANAGI (Hiroshima University)

Chair: Akiyo HIRAI (University of Tsukuba)

- Date: September 11, 2019 (Wednesday), 11:00–12:30, 13:30-15:00 (with a 60-minute lunch break)
- Venue: Niigata Seiryō University (Building #4, 4108PCL)
- Attendance Fee: ¥1,000
- Maximum Number of Participants: 30 (first-come, first-served basis)
- Registration Period: July 1st (Mon.)–September 4th (Wed.)
(The registration will be closed after the number of participants reach the limit.)
- Prerequisite: All participants must bring a computer with:
 - (a) later version of Windows 7 or MacOS X, or recent version of Linux OS.
 - (b) Microsoft Excel or other spreadsheet software.
 - (c) R 3.0.0 or later; downloadable from (<https://cran.ism.ac.jp/bin/windows/base/>)
 - (d) statistical software JASP; downloadable from (<https://jasp-stats.org/>)
- Objectives
 1. To understand the basics of Bayesian statistics by contrasting it with frequentism.
 2. To learn Bayesian statistics as an alternative to classic statistical methods such as *t* test, ANOVA, multiple regression, and correlation analysis.
- Procedure
 1. Lecture 1: Basics of Bayesian statistics
 2. Hands-on Workshop 1: Trying Bayesian statistics
 3. Hands-on Workshop 2: Foreign language education study using Bayesian statistics
 4. Lecture 2: Implications to more advanced modelling
- How to register
 1. Registrations accepted until workshop reaches maximum capacity. To facilitate the workshop process, please go to the following website and fill in your name, affiliation, and e-mail address. Also, please answer these questions. <https://goo.gl/forms/BMsDd0XorDye7Ip13>
 2. In case you cannot register using above website, please email it to Ryoko Fujita (Juntendo University) at r-fujita@juntendo.ac.jp

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

- (1) Your name, affiliation, and email address.
- (2) Reason(s) for the interest in Bayesian statistics.
- (3) Kinds of research that you would like to implement in the future.
- (4) Questions for the instructors, if you have. (Optional)
- (5) Requests for this workshop, or JLTA workshops in general. (Optional)

NOTE: The school cafeteria is closed throughout the conference. Participants can have lunch at restaurants near the campus, or buy foods from the Co-op on campus or a nearby convenience store. Foods and drinks are not allowed into the workshop venue. Please eat in the Student Hall in the 6th building.