Workshop on Quantitative Methods in Linguistics (WoQuMeL)

What and where?   A 3-day workshop at Jadavpur University on using quantitiave methods in linguistic research and analysis

When?   Tentatively the last week of June or first week of July, 2024. Exact dates TBA

Limited participation   Due to the availability of limited resources, the workshop will be limited to 15 participants.

Selection process   Each potential participant will write a one page (or 500 words) expression of interest (EoI) which will be evaluated and reviewed in a single-blind manner. Reviews will be made available to everyone. In this EoI, potential participants should state as clearly as possible, their research statement and/or questions. While no prior knowledge of quantiative analysis is expected or assumed, evaluation will depend on how the participant would want to address a research question quantitatively. Often times, quantiative methods are thought of as techniques that can be applied to already existing data. In this workshop we will lay emphasis on the need to design experiments with the statistical tests in mind.

Software environment

- R
- Integrated Development Environment, RStudio

Fees   This workshop will be free for selected participants.

Topics

- Descriptive statistics
- Experiment design
- Inferential statistical tests such as t-tests, ANOVA
- Parametric and non-parametric testing
- Model theoretic approaches
- Linear mixed effects models
- Bayesian inference

Materials, data, code   All data and code generated during the workshop will be made available on github.