Motivation and Aim of the Special Issue

Large-scale clinical trials and disease registry studies have allowed new innovations in medical and epidemiological fields of research. The special issue aims to widely report on the development of advanced biostatistical methods and their application to medical and epidemiological data. In particular, in this special issue we would like to look at biostatistics from two aspects; statistical theory and practice. Statistical theory deals with network meta-analysis, propensity score analysis and Bayesian methods, among other things. Practice includes microarray data, precision medicine, disease registry, genomics and omics data, or large-scale cohort data.

We welcome original papers, notes, and short notes that present theory and practice in clinical and epidemiological data. Practical studies may include presentation of case studies in clinical trials or observational studies. Presentation of biostatistical methods should be accompanied by real-data illustrations and/or simulation studies.

Topics of interest of the special issue include, but are not limited to the following:

- Clinical and epidemiological data analysis
- Mixture models and their applications
- Meta-analysis and Network Meta-analysis
- Propensity score analysis and related methods
- Design and analysis of clinical trials
- Bayesian methods in medical research
- Statistical modeling for precision medicine
- Microarrays and omics data analysis
- Statistical methods for diagnostic medicine
- Advanced methods in survival analysis

We look forward to receiving your paper!

Deadlines

Submission due date: November 1st, 2018
First round of reviews: January 15th, 2019
Revisions due: March 15th, 2019
Second round decision: May 15th, 2019
Revisions due: June 15th, 2019
Final editorial decision: July 15th, 2019
Publication of the special issue: August 2019