

# Wilcoxon Rank Sum Test For Interval Censored Data

Yi- Hsuan Huang (黃怡萱)

Institute of Statistics, National University of Kaohsiung

## Abstract

Wilcoxon rank sum test is a useful nonparametric method for testing the equality of distribution of two populations. It has greater efficiency than the t-test on heavy tail distribution, and is nearly as efficient as the t-test on normal distribution. In this talk, an extension of Wilcoxon test for interval censored data which are often found in longitudinal studies is provided. A series of simulation is given to show the performance of the proposed method.

Keywords: Wilcoxon rank sum test, interval censored data, longitudinal data.