Users' Guide and Warranty
AANOVA Library (AAL)

ver.1　2017/07/01
ver.2　2021/11/11

What is AANOVA Library

AANOVA Library (AAL) was developed for AANOVA readers to provide executables programs which calculate newly introduced methods in the book. Most of the programs run on recent Windows 32 bits OS and Windows 64 bits OS except for the extended versions for large data which only work on Windows 64 bits OS.

How to Use AANOVA Library

AAL consists of sub-directories each of which includes the following files:

1. an executable program in .exe format
2. sample data files
3. sample output files
4. Readme.txt

Users should read Readme.txt first carefully and then make a data file in the text format. User must use space or tab as a delimiter in a data file. It should be noted comma cannot be used as a delimiter. Then, just double-click the program icon and enter the requested information, usually data file name. The results will appear on the screen, which are saved in an output file automatically usually in the text format or in the csv format.

Functional Limitations

Each program has limitations on

1. maximum size of data
2. maximum length of series
3. maximum number of feasible solutions

See each Readme.txt in detail.

Theoretical backgrounds and examples

User can refer AANOVA for theoretical backgrounds and related examples, most of which are provided as a sample data file and a sample output file. See each Readme.txt in detail.

Request for authors

Authors who publish the results obtained by use of the AANOVA library are kindly requested to refer Advanced ANOVA [1].

Acknowledgements and warranty limitations

Though AAL was developed carefully and checked thoroughly, the user acknowledges that complex software is never wholly free from defects, errors and bugs. We give no warranty or representation that the AAL will be wholly free from defects, errors and bugs.

References

[1] Chihiro Hirotsu: Advanced ANOVA. John Wiley & Sons (2017).

[2] Chihiro Hirotsu, Shoichi Yamamoto, Harukazu Tsuruta: A unifying approach to the shape and change-point hypotheses in the discrete univariate exponential family. *Computational Statistics & Data Analysis* 97: 33-46 (2016).

[3] Chihiro Hirotsu, Harukazu Tsuruta: An algorithm for a new method of change-point analysis in the independent Poisson sequence. *Biometrical Letters*. 54:1-24 (2017).