

JUSE-Package
Software Products

Statistical Analysis Business System

JUSE- StatWorks®/V5

English Version

What is JUSE-StatWorks/V5?

JUSE-StatWorks/V5.0, a software package for quality management, enjoys high reputation among leading companies in Japan as demonstrated by 100,000 sets of its sales quantity.

JUSE-StatWorks/V5.0 is created using “Quality Management Technology” which is Japan boasts in the world, and has been continuously improved based on its unique concepts of the usage for both beginners and veterans.

Selecting pertinent information from numerous data and promptly is essential to win tough and diverse competitors today.

JUSE-StatWorks/V5.0 helps you succeeded in this severe market.



Powerful Analytical Ability of JUSE-StatWorks/V5.0

JUSE-StatWorks/V5.0 is an answer to challenges made by practical demands, know-how, and ideas of users of industry and academia. It resolves practical problems encountered at workplaces such as stratified analyses instructions along the analysis scenario, contrivances in output layout, and so on. JUSE-StatWorks/V5.0 helps you with problem solutions and continuous improvements in every phase of development and production.

JUSE Group is Famous for its services for TQM training and Deming Prizes

Union of Japanese Scientists and Engineers(JUSE) is famous worldwide for its high reputed services for TQM training and diffusion with particular emphasis on “Quality” and for awarding of Deming Prizes. Our company belongs to the JUSE Group and has been engaged for decades in development, operation and sale of computer software systems and packages. JUSE-StatWorks is widely regarded as a standard analytical tool for JUSE QC Basic Course.*1

*1) QC Basic Course is the most authoritative quality management theory/method training seminar offered by JUSE.

Data-oriented and Sophisticated Analysis Scenario Is Realized

Method and know-how possessed by data analysis experts and are reflected in menu designs. Highly sophisticated methods such as analysis of variance and regression through dialog with users may be performed by sequentially executing menus and tabs to obtain by the batch analysis are secured. Diverse output conditions and chart options are also available.

Charts which Cannot Adequately Use Spread Sheet Software are Easily Displayed

JUSE-StatWorks functions to enable the following operations that are difficult to perform by Spreadsheet.

- 1) Categorization by attribute variable can be performed easily.
- 2) Analysis of numerical/attribute mixed data can be performed simply
- 3) Figures showing relations between plural items which are hard to draw by spreadsheet software are available in the standard version.

As JUSE-StatWorks has a function to read the data file directly from spreadsheet and copy the analysis result, you can use it with the spreadsheet.

Stratified Analysis, Essential for QC is Provided

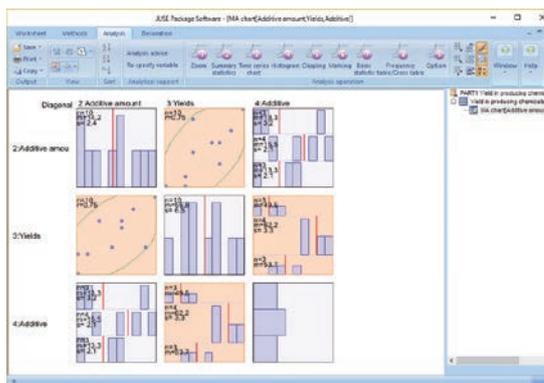
In QC, it is important to classify the numerical data (length, weight, and so on) from the attribute data (mode, type, section and so on) for analysis. JUSE-StatWorks is designed to enable practical computation of statistic data by categorizing the numerical data, and drawing charts and optimally analyzing the mixed data. Up to 253 categories per one variable may be input and 24 may be analyzed.

System requirements

OS : Windows 10, 8.1
 CPU : 1GHz or more(x86, x64)
 Memory : 1GB or more(X86) / 2GB or more(X64)
 HDD : 700MB or more
 Display : 1024×768(XGA) or more

MA Chart (Multivariate Association Chart) is Very Useful

Typically powerful analysis function of JUSE-StatWorks is “MA chart”. Automatically selected charts appropriate for both attribute and numerical data are displayed for viewing the association of designated variables at a glance. In addition to visually showing the data characteristics, statistical determination is automatically performed based on statistical testing and problematic charts are emphasized in an easy-to-understand manner.



Functions of V5 is Enhanced from those of the Previous Version 4

Some functions of JUSE-StatWorks/V5 has been enhanced or added from the previous V4. Overall the screen has been improved to make it easier to see and operate. V5 has SQC techniques required by the latest standard such as IATF16949. Moreover, the functions of Quantification Method (III), Hierarchical cluster analysis and so on are added in V5.

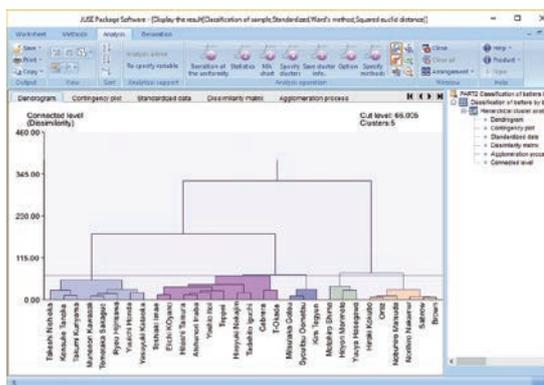


Table of MainFunctions

Basic Procedure

Worksheet(1,000 column x 100,000 row, 24 category),
 Data file I/O(CSV, TXT, Excel), Graphic file
 Output(bmp, jpeg, PNG, HTML),
 Data-transformation,
 Batch process

Basic Analysis

- Basic statistics
- Correlation coefficient
- Frequency table
- Multiple cross table
- MA Chart
- Quick view
- Chart

QC 7 Basic Tools

- Cause and effect diagram
- Pareto diagram
- Histogram
- Control chart
- Scatter diagram
- Chart

Process Analysis

- SPC
- MSA(Gage R&R)
- FMEA
- QFD

Design of Experiments

- Planning for experiment
- Factorial experiment
- Orthogonal array
- Response surface
- Effect plot

Quality Engineering

- Planning for Parameter design
- Robust parameter design

Regression Analysis

- Simple regression analysis
- Multiple regression analysis/
 Quantification Method (I)
- Orthogonal polynomial
 regression analysis
- Logistic regression analysis

Multivariate Analysis

- Principal Component
 analysis
- Discriminant analysis/
 Quantification Method (II)
- Quantification Method (III) *
- Hierarchical cluster analysis *

Reliability Analysis

- Probability plot,
 Consider of distribution *
- Accelerated test model *

Test and Estimation

- Test and estimation of
 discrete data
- Test and estimation of
 continuous data
- Nonparametric test

Power of Test and Probability

- Continuous distribution
- Discrete distribution

* is an added function in V5.

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●Inquiries by web form

https://www.i-juse.co.jp/statistics/product_e/support.html

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