

CLAIMS

[Claim 1]

A program causing a computer to execute:

a step for acquiring pre-extracted datasets, each of the pre-extracted datasets containing values of one or more items of a first group and values of one or more items of a second group, the values contained in the pre-extracted dataset being measured in a same time period,

a step for extracting post-extracted datasets from among the pre-extracted datasets, each of the post-extracted datasets containing values of one or more items of the second group satisfying a predetermined extraction condition, and

a step for judging whether a number of the post-extracted datasets and a statistical variation in values of one or more items of the first group contained in the post-extracted datasets satisfy a predetermined judgment condition,

wherein

the judgment condition is satisfied when a reduction ratio is greater than a predetermined threshold, the reduction ratio being a ratio of a first reduction to a second reduction, the first reduction being a reduction in statistical variations in values of the one or more items of the first group in the extraction executed at the step for extracting the post-extracted datasets, the second reduction being a reduction in numbers of datasets in the extraction executed at the step for extracting the post-extracted datasets.

[Claim 2]

A program causing a computer to execute:

a step for acquiring pre-extracted datasets, each of the pre-extracted datasets containing values of one or more items of a first group and values of one or more items of a second group, the values

contained in the pre-extracted dataset being measured in a same time period,

a step for extracting first post-extracted datasets from among the pre-extracted datasets, each of the first post-extracted datasets containing values of one or more items of the second group satisfying a predetermined extraction condition,

a step for judging whether a number of the first post-extracted datasets and a statistical variation in values of one or more items of the first group contained in the first post-extracted datasets satisfy a predetermined judgment condition,

a step for extracting second post-extracted datasets from among the first post-extracted datasets, each of the second post-extracted datasets containing values of one or more items of the second group, each of the values being within a range predetermined for a corresponding item, and

a step for judging whether a number of the second post-extracted datasets and statistical variation in values of the one or more items of the first group contained in the second post-extracted datasets satisfy a predetermined judgment condition,

wherein

the one or more items of the second group used at the step for extracting the first post-extracted datasets and the one or more items of the second group used at the step for extracting the second post-extracted datasets are different.

[Claim 3] A program according to Claim 2 causing the computer to execute:

a step for repeatedly executing the step for extracting and the step for judging, using the second post-extracted datasets extracted at a preceding step for extracting as the first post-extracted datasets

in a subsequent step for extracting, until at least one of the following, satisfies a predetermined end condition:

- a statistical variation in values of one or more items of the first group contained in the post-extracted datasets extracted at the last step for extracting,

- a number of the post-extracted datasets extracted at the last step for extracting,

- a reduction in statistical variations in values of the one or more items of the first group at the last step for extracting, and

- a reduction in numbers of datasets at the last step for extracting.

[Claim 4]

A program causing a computer to execute:

- a step for acquiring pre-extracted datasets, each of the pre-extracted datasets containing values of one or more items of a first group and values of one or more items of a second group, the values contained in the pre-extracted dataset being measured in a same time period,

- a step for extracting post-extracted datasets from among the pre-extracted datasets, each of the post-extracted datasets containing values of one or more items of the second group satisfying a predetermined extraction condition,

- a step for judging whether a number of the post-extracted datasets and a statistical variation in values of one or more items of the first group contained in the post-extracted datasets satisfy a predetermined judgment condition,

- a step for calculating a relational expression among the items of the second group based on values contained in the pre-extracted datasets, and

- a step for determining a statistical variation in values of the items of the second group based on the values contained in the pre-

extracted datasets and the relational expression,

wherein

at the step for extracting, datasets containing values of the items of the second group whose difference from the relational expression satisfies the extraction condition are extracted as the post-extracted datasets.

[Claim 5]

A program causing a computer to execute:

a step for acquiring pre-extracted datasets, each of the pre-extracted datasets containing values of one or more items of a first group and values of one or more items of a second group, the values contained in the pre-extracted dataset being measured in a same time period,

a step for extracting post-extracted datasets from among the pre-extracted datasets, each of the post-extracted datasets containing values of one or more items of the second group satisfying a predetermined extraction condition, and

a step for repeatedly executing the step for extracting and the step for judging, using the post-extracted datasets extracted at a preceding step for extracting as the pre-extracted datasets at a subsequent step for extracting,

wherein

at the step for extracting, the extraction condition is adjusted such that a reduction in the numbers of datasets in the extraction satisfies a predetermined condition, the predetermined condition being changed based on a number of steps for extracting already executed.

[Claim 6]

A program causing a computer to execute:

a step for acquiring pre-extracted datasets, each of the pre-extracted datasets containing values of one or more items of a first

group and values of one or more items of a second group, the values contained in the pre-extracted dataset being measured in a same time period,

a step for extracting post-extracted datasets from among the pre-extracted datasets, each of the post-extracted datasets containing values of one or more items of the second group satisfying a predetermined extraction condition, and

a step for judging whether a number of the post-extracted datasets and a statistical variation in values of one or more items of the first group contained in the post-extracted datasets satisfy a predetermined judgment condition,

wherein

at the step for extracting, the extraction condition is adjusted such that a reduction in statistical variations in values of the one or more items of the first group in the extraction satisfies a predetermined condition.

[Claim 7] A program according to Claim 6 causing the computer to execute:

a step for repeatedly executing the step for extracting and the step for judging, using the post-extracted datasets extracted at a preceding step for extracting as the pre-extracted datasets at a subsequent step for extracting,

wherein

at the step for extracting, the extraction condition is changed based on a number of steps for extracting already executed.

[Claim 8] A program causing a computer to execute:

a step for acquiring plural groups of pre-extracted datasets, each of the pre-extracted datasets containing values of one or more items of a first group and values of one or more items of a second

group, the values contained in the pre-extracted dataset being measured in a same time period,

a step for extracting, for each of the plural groups of the pre-extracted databases, post-extracted datasets from among the pre-extracted datasets, each of the post-extracted datasets containing values of one or more items of the second group satisfying a predetermined extraction condition,

a step for calculating an indicator based on a number of each of the plural post-extracted datasets and a statistical variation in values of the one or more items of the first group of each of the plural post-extracted datasets, and

a step for judging whether the indicators calculated for the plural groups of the post-extracted datasets satisfy a predetermined condition.