

Package ‘iev’

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Type Package

Title Iterative Exclusion of Variables Analysis of the Data

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Description Pkg{iev} is a package to perform the Iterative Exclusion of Variables(iev) Analysis and Necessary Conditons Analysis of data.

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Imports plyr, purrr, QCA, admisc, dplyr

NeedsCompilation no

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iev-package	<i>Iterative Exclusion of Variables Analysis of the Data</i>
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Description

pkgiev is a package to perform the Iterative Exclusion of Variables (iev) Analysis and Necessary Conditons Analysis of data.

Value

The iev solution.

References

Fiss, P.C. 2011, Building Better Causal Theories: A Fuzzy Set Approach to Typologies in Organization Research, *Academy of Management Journal*, Vol. 54, pp. 393-420

See Also

qcacalculation

Examples

```
samples<-data.frame(
a=c(1,0,1,0,1,0,1,1,0,1,1,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0),
b=c(1,0,0,0,1,0,1,0,1,0,0,0,0,1,0,0,0,0,0,0,1,0,0,1,0,0,0,0,0,1,0,0,0,0),
c=c(1,1,1,1,1,0,1,1,1,0,0,0,1,1,0,0,1,1,0,1,1,0,0,0,0,0,0,0,1,0,0,0,1,0,0,0),
d=c(0,1,1,1,1,0,1,1,1,1,0,0,1,1,0,0,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0),
e=c(1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0)
)
ievsolution<-iev(k=3,consistencythreshold=0.8,samples=samples)
file.remove("data.csv")
```

judgecompatible	<i>Judge Whether a Sample is Compatible with the Pattern</i>
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Description

This function judges whether a sample is compatible with the pattern or not.

Usage

```
judgecompatible(pattern, sample)
```

Arguments

pattern the pathogenic pattern,for example,"[2,3]" denotes that the mutation of the sceond and third snp.

sample the data of one sample.

Value

Logical value.

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