

Package ‘optimalcausalities’

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Title Optimal Stochastic Interventions in High-dimensional Data

Version 2.0

Authors

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Description Description here.

Depends R (>= 3.3.3)

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Encoding UTF-8

LazyData true

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Imports Rsolnp, keyATM

RoxygenNote 7.1.1

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computeQ_conjoint	<i>computeQ_conjoint</i>
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Description

Implements ...

Usage

```
computeQ_conjoint(
  FactorsMat,
  Yobs,
  assignmentProbList,
  hypotheticalProbList = NULL,
  se_ub = NULL,
  split1_indices = NULL,
  split2_indices = NULL,
  computeThetaSEs = F,
  openBrowser = F,
  hajek = T,
  findMax = T,
  quiet = T,
  optimizeLB = T
)
```

Arguments

dfm 'document-feature matrix'. A list ...

Value

A list consiting of

- Items.

References

- Kosuke Imai, Rohit, Connor

Examples

```
#set seed
set.seed(1)

#Geneate data
x <- rnorm(100)
```

computeQ_lda

computeQ_lda

Description

Implements ...

Usage

```
computeQ_lda(  
  hypotheticalTopicProportion = NULL,  
  n_fold = 3,  
  Yobs,  
  topicProportions,  
  documents_list,  
  wordTopicDistributions,  
  se_ub = sd(Yobs)/10,  
  split1_indices = NULL,  
  split2_indices = NULL,  
  computeThetaSEs = T,  
  findMax = T,  
  nboot = 10,  
  trim_q = 1,  
  maxWt = 1e+10,  
  maxWt_hajek = NULL,  
  alphaLevel = 0.05,  
  openBrowser = F  
)
```

Arguments

dfm 'document-feature matrix'. A list ...

Value

A list consiting of

- Items.

References

- Kosuke Imai, Rohit, Connor

Examples

```
#set seed  
set.seed(1)  
  
#Geneate data  
x <- rnorm(100)
```

plotResults

plotResults

Description

Implements ...

Usage

```
plotResults(  
  hypotheticalTopicProportion = NULL,  
  n_fold = 3,  
  Yobs,  
  topicProportions,  
  documents_list,  
  wordTopicDistributions,  
  se_ub = sd(Yobs)/10,  
  split1_indices = NULL,  
  split2_indices = NULL,  
  computeThetaSEs = T,  
  findMax = T,  
  nboot = 10,  
  trim_q = 1,  
  maxWt = 1e+10,  
  maxWt_hajek = NULL,  
  alphaLevel = 0.05,  
  openBrowser = F  
)
```

Arguments

dfm 'document-feature matrix'. A list ...

Value

A list consiting of

- Items.

References

- Kosuke Imai, Rohit, Connor

Examples

```
#set seed  
set.seed(1)  
  
#Geneate data  
x <- rnorm(100)
```

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