

# Package ‘drmetatools’

October 30, 2024

**Type** Package

**Title** Computational Tools for Dose-Response Meta-Analysis

**Version** 1.1.1

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**Description** Computational tools for dose-response meta-analysis. Currently, a preprocessing function for dosresmeta package for binary outcome data is involved.

**Imports** stats, dosresmeta

**License** GPL-3

**Encoding** UTF-8

**LazyData** true

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drmetatools-package	<i>The ‘drmetatools’ package.</i>
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## Description

Computational tools for dose-response meta-analysis. Currently, a preprocessing function for dosresmeta package for binary outcome data is involved.

## Author(s)

Hisashi Noma <noma@ism.ac.jp>

## References

Crippa, A. and Orsini, N. (2016). Multivariate Dose-Response Meta-Analysis: The dosresmeta R Package. *Journal of Statistical Software* **72**: 1-15. doi:10.18637/jss.v072.c01

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editdsm	<i>Preprocessing function for dosresmeta package for binary outcome data</i>
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## Description

Preprocessing function for dosresmeta package for binary outcome data.

## Usage

```
editdsm(id,r,n,data,correct=FALSE)
```

## Arguments

id	ID variable of individual studies.
r	Number of events of individual group.
n	Sample size of individual group.
data	The dataset object.
correct	Small sample corrections are conducted (adding 0.5 to all cells) if correct==TRUE

## Value

Processed outcome data are generated for the analysis by dosresmeta package.

- id: ID variable of individual studies.
- r: Number of events of individual group.
- n: Sample size of individual group.
- risk: Event rate of individual group.
- logRR: Log risk-ratio estimate.
- selogRR: Standard error of the log risk-ratio estimate.
- RD: Risk-difference estimate.
- seRD: Standard error of the risk-difference estimate.
- logOR: Log odds-ratio estimate.
- selogOR: Standard error of the log odds-ratio estimate.

## Author(s)

Hisashi Noma <noma@ism.ac.jp>

## References

Crippa, A. and Orsini, N. (2016). Multivariate Dose-Response Meta-Analysis: The dosresmeta R Package. *Journal of Statistical Software* **72**: 1-15. doi:[10.18637/jss.v072.c01](https://doi.org/10.18637/jss.v072.c01)

## Examples

```
require("dosresmeta")

data("alchol_cvd")

editdsm(id,cases,n,data=alcohol_cvd)
```

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