

# Package ‘ccaR’

December 4, 2021

**Type** Package

**Title** Calculates the corrected covered area (CCA) index

**Version** 0.1.0

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**Description** Calculates the corrected covered area CCA. The measure for assessing the overall degree of overlap in an OoSR.

**License** GPL-2

**Encoding** UTF-8

**LazyData** FALSE

**Imports** utils

**RoxygenNote** 7.1.1

**Depends** R ( $\geq$  2.10)

## R topics documented:

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cca	<i>Calculates the corrected covered area (CCA) index</i>
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## Description

This package calculates the corrected covered area (CCA) index. The measure for assessing the overall degree of overlap in an OoSR. It is taking as input the citation matrix.

## Usage

```
cca(cm)
```

## Arguments

cm                      A dataframe for the citation matrix

**Value**

res

**Examples**

```
DATASET<-read.csv(system.file('extdata','miyazaki2017CCA.csv', package = 'ccaR') ,sep = ";")
cca(DATASET)
```

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dt	<i>The dataset from the publication</i>
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**Description**

The dataset contaoineing the publications

**Usage**

```
data(dt)
```

**Format**

A data frame with 14 rows and 6 variables:

**Chasan2014** The publication of Chasan2014

**Gilinsky2015** The publication of Gilinsky2015

**Guo2016** The publication of Guo2016

**Middleton2014** The publication of Middleton2014

**Morton2014** The publication of Morton2014

**Peacock2014** The publication of Peacock2014

**Source**

<http://www.hsda.med.auth.gr/>

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