# Package 'iccde'

August 25, 2022

**Type** Package

**Title** Computation of the Double-Entry Intraclass Correlation

**Version** 0.3.4

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**Description** The function computes the double-entry intraclass correlation, which is an index of profile similarity (Furr, 2010; McCrae, 2008). The double-entry intraclass correlation is a more precise index of the agreement of two empirically observed profiles than the often-used intraclass correlation (McCrae, 2008). The function transforms profiles comprising correlations according to the Fisher z-transformation before the double-entry intraclass correlation is calculated. If the profiles comprise scores such as sum scores from various personality scales, it is recommended to standardize each individual score before entering into the function (McCrae, 2008). See Furr (2010) <doi:10.1080/00223890903379134> or McCrae (2008) <doi:10.1080/00223890701845104> for details.

**License** GPL (>= 2)

**Encoding** UTF-8

**NeedsCompilation** no

**Repository** CRAN

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# R topics documented:

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## iccde                                   *Computation of the Double-Entry Intraclass Correlation*

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### Description

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### Usage

```
icc.de(prof1, prof2, input = c("cor", "score"), digits = 2)
```

### Arguments

| | |
|---|---|
| prof1 | Vector of components of the nomological network of the first trait (input = "cor") or vector of components of the first profile (input = "score"). |
| prof2 | Vector of components of the nomological network of the second trait (input = "cor") or vector of components of the second profile (input = "score"). |
| input | Do the profiles contain correlations (e.g., from nomological network; input = "cor") or scores from different scales (e.g., sum scores from diverse personality tests; input = "score")? The default is input = "cor". |
| digits | Number of digits in the output. The default is digits = 2. |

### Value

| | |
|---|---|
| iccde | Double-Entry Intraclass Correlation for two given profiles |

### Author(s)

Christian Blötner, Michael Paul Grosz <c.bloetner@gmail.com>

### References

Furr, R. M. (2010). The Double-Entry Intraclass Correlation as an Index of Profile Similarity: Meaning, Limitations, and Alternatives. Journal of Personality Assessment, 92(1), 1-15. https://doi.org/10.1080/0022389090

McCrae, R. R. (2008). A Note on Some Measures of Profile Agreement. Journal of Personality Assessment, 90(2), 105-109. https://doi.org/10.1080/00223890701845104

## Examples

```
icc.de(prof1 = c(.59, .48, .23), prof2 = c(.52, .76, .22), input = "cor")

icc.de(prof1 = c(-1, -0.85, 2), prof2 = c(-0.93, 1, 1.26), input = "score",
digits = 4)
```

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