Package 'ntranova'

July 23, 2025

Title Two Way Neutrosophic ANOVA

Version 0.0.1

Description Dealing with neutrosophic data of the form N=D+I(where N is a Neutrosophic number ,D is the determinant part of the number and I is the indeterminacy part) using the neutrosophic two way anova test keeps the type I error low. This algorithm calculates the fisher statistics when we have a neutrosophic data, also tests two hypothesizes, first is to test differences between treatments, and second is to test differences between sectors. For more information see Miari, Mahmoud; Anan, Mohamad Taher; Zeina, Mohamed Bisher(2022) <https://www.americaspg.com/articleinfo/21/show/1058>.

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Encoding UTF-8

RoxygenNote 7.3.1

NeedsCompilation no

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Contents

ntaov *Neutrosophic Two Way ANOVA*

Description

Neutrosophic Two Way ANOVA

Usage

```
ntaov(dt)
```

Arguments

dt	is a data frame

Value

Neutrosophic ANOVA Table

Examples

```
y=c(4,5,3,9,11,8,15,12,14)
y1=c(6,7,5,11,14,10,17,13,16)
tr=c(1,1,1,2,2,2,3,3,3)
cek=c(1,2,3,1,2,3,1,2,3)
dt=data.frame(y,y1,tr,cek)
ntaov(dt)
```

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