Package ‘woe’

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Type Package
Title Computes Weight of Evidence and Information Values
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Description Shows the relationship between an independent and dependent variable through Weight of Evidence and Information Value.
Depends R (>= 3.1.0)
License GPL-2
Repository CRAN
NeedsCompilation no
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R topics documented:

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woe Weigth of Evidence

Description
Computes the Weight of Evidence and Information Value between Dependent and Independent variable.

Usage

woe(Data, Independent, Continuous, Dependent, C_Bin, Bad, Good)
Arguments

Data : Name of Data Set
Independent : Name of the Independent Variable
Continuous : True if the variable is continuous, False if variable is Ordinal or Nominal
Dependent : Name of the Target Variable
C_Bin : Count of Bins to be computed
Bad : Which categorical variable do you want to be bad
Good : Which categorical variable do you want to be good

Details

WOE

Value

Returns a DataSet with computed WoE and IV values on success or 0 on Failure

Note

"woe" shows the log-odds ratio between between Goods and Bads. In the Bivalued Dependent variable, one value represents Goods and others are bads. In Detail with an Example: Let Dependent variable be ATTRITED (0,1) and Independent variable be TENURE where, 1-Attrited, 0-Non Attrited. If I wish to check WOE and IV of Tenure with ATTRITED to know if Tenure has an effect in getting attrited, Then good would be 1 and bad=0. If I wish to check WOE and IV of Tenure with ATTRITED to know if Tenure has an effect in not getting attrited, Then good would be 0 and bad=1.

Author(s)

Sudarson Mothilal Thoppay

Examples

woe(Data=mtcars,"cyl",FALSE,"am",1,Bad=0,Good=1)
woe(Data=mtcars,"mpg",TRUE,"am",1,Bad=0,Good=1)
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