

Package ‘Modelcharts’

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Type Package

Title Classification Model Charts

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Imports dplyr,plotly,stats

Description Provides two important functions for producing Gain chart and Lift chart for any classification model.

License GPL

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GAIN_CHART

Functions Gain Chart

Description

Creates a Gain chart.

Usage

```
GAIN_CHART(INPUT, Probability, cutoffs, Outcome, Event)
```

Arguments

| | |
|-------------|--|
| INPUT | Input data |
| Probability | Probability values between zero and one |
| cutoffs | probability cutoffs(c(0.80,0.60,0.40,0.20,0)/c(0.5,0)) |
| Outcome | outcome variable(target variable) |
| Event | outcome representation ("YES"/"Y"/"1") |

Value

A gain chart

See Also

[Modelcharts](#)

Examples

```
## Not run:  
# Run it and see for yourself  
  
## End(Not run)  
data.tmp<-read.csv(system.file("ext", "testdata.csv", package="Modelcharts"))  
GAIN_CHART(data.tmp,data.tmp$Probability,seq(0.95,0,-0.05),data.tmp$Outcome,"Y")
```

LIFT_CHART

Functions Lift Chart

Description

Creates a Lift chart.

Usage

```
LIFT_CHART(INPUT, Probability, cutoffs, Outcome, Event)
```

Arguments

| | |
|-------------|--|
| INPUT | Input data |
| Probability | Probability values between zero and one |
| cutoffs | probability cutoffs(c(0.80,0.60,0.40,0.20,0)/c(0.5,0)) |
| Outcome | outcome variable(target variable) |
| Event | outcome representation ("YES"/"Y"/"1") |

Value

A lift chart

See Also

[Modelcharts](#)

Examples

```
## Not run:  
# Run it and see for yourself  
  
## End(Not run)  
data.tmp<-read.csv(system.file("ext", "testdata.csv", package="Modelcharts"))  
LIFT_CHART(data.tmp,data.tmp$Probability,seq(0.95,0,-0.05),data.tmp$Outcome,"Y")
```

Modelcharts

Gain Chart and Lift Chart

Description

This Package provides two important functions for producing Gain chart and Lift chart for any classification model.

GAIN_CHART()

Creates a gain chart based on calculated probability values and actual outcome.

LIFT_CHART()

creates a lift chart based on calculated probability values and actual outcome.

See Also

[GAIN_CHART](#), [LIFT_CHART](#)

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