

# Package ‘Modelcharts’

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**Type** Package

**Title** Classification Model Charts

**Version** 0.1.0

**Imports** dplyr,plotly,stats

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

**License** GPL

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.0.1

**NeedsCompilation** no

**Author** Badri N Pattanaik [aut],  
Krishna Harsha K H [cre]

**Maintainer** Krishna Harsha K H <khkrishnaharsha123@gmail.com>

**Repository** CRAN

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GAIN\_CHART

*Functions Gain Chart*

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## 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")
```

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LIFT\_CHART

*Functions Lift Chart*

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## 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")
```

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Modelcharts

*Gain Chart and Lift Chart*

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**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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