

# Package ‘BinarybalancedCut’

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**Type** Package

**Version** 0.2

**Title** Threshold Cut Point of Probability for a Binary Classifier Model

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**Description** Allows to view the optimal probability cut-off point at which the Sensitivity and Specificity meets and its a best way to minimize both Type-1 and Type-2 error for a binary Classifier in determining the Probability threshold.

**License** GPL-2

**LazyData** FALSE

**Imports** ggplot2,reshape2

**Suggests** knitr

**NeedsCompilation** no

**Repository** CRAN

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## R topics documented:

Binary\_threshold . . . . . 1

**Index** 3

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Binary_threshold	<i>This Supports the datascientist to determine the optimal threshold for binary classifier problem by visuallizing the sensitivity, specificity and accuracy of the given model</i>
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## Description

Prints ‘Chart of sensitivity & specificity’.

**Usage**

```
Binary_threshold(probability,class)
```

**Arguments**

probability	Probability Obtained from the model
class	Actual Class of the datasets

**Examples**

```
set.seed(100);disease <- sample(c("yes","no"), 1000, replace=TRUE);  
Probabilities<-sample(seq(0,1,by=0.01),1000,replace=TRUE);  
Binary_threshold(Probabilities,disease)
```

# Index

Binary\_threshold, 1