Package 'odds.converter'

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Type Package

Title Betting Odds Conversion

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Description Conversion between the most common odds types for sports betting.
Hong Kong odds, US odds, Decimal odds, Indonesian odds, Malaysian odds, and raw
Probability are covered in this package.

License GPL-3

RoxygenNote 6.0.1

Suggests testthat

NeedsCompilation no

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R topics documented:

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odds.dec2all   *Convert Decimal Odds to all other formats*

Description

Convert Decimal Odds to all other formats

Usage

```
odds.dec2all(x)
```

Arguments

x   A vector of Decimal odds

Value

A data.frame

Examples

```
odds.dec2all(c(1.93,2.05))
```

---

odds.dec2hk *Convert Decimal Odds to Hong Kong odds*

Description

Convert Decimal Odds to Hong Kong odds

Usage

```
odds.dec2hk(x)
```

Arguments

x   A vector of Decimal odds

Value

A vector of Hong Kong odds

Examples

```
odds.dec2hk(c(1.93,2.05))
```

---

odds.dec2indo *Convert Decimal Odds to Indonesian odds*

Description

Convert Decimal Odds to Indonesian odds

Usage

```
odds.dec2indo(x)
```

Arguments

x   A vector of Decimal odds

Value

A vector of Indonesian odds

Examples

```
odds.dec2indo(c(1.93,2.05))
```

---

odds.dec2malay *Convert Decimal Odds to Malaysian odds*

Description

Convert Decimal Odds to Malaysian odds

Usage

```
odds.dec2malay(x)
```

Arguments

x   A vector of Decimal odds

Value

A vector of Malaysian odds

Examples

```
odds.dec2malay(c(1.93,2.05))
```

---

odds.dec2prob *Convert Decimal Odds to Probabilities*

Description

Convert Decimal Odds to Probabilities

Usage

```
odds.dec2prob(x)
```

Arguments

x   A vector of Decimal odds

Value

A vector of Probabilities

Examples

```
odds.dec2prob(c(1.93,2.05))
```

---

odds.dec2us   *Convert Decimal Odds to US Odds*

Description

Convert Decimal Odds to US Odds

Usage

```
odds.dec2us(x)
```

Arguments

x   A vector of Decimal odds

Value

A vector of US odds

Examples

```
odds.dec2us(c(1.93,2.05))
```

---

odds.fv   *Calculate the fair (vigorish free) odds for a vector of vigged odds.*

Description

Calculate the fair (vigorish free) odds for a vector of vigged odds.

Usage

```
odds.fv(..., input = "us", output = "us",
  Vectorized2wayOutput1stElement = FALSE)
```

Arguments

...	Odds of the format defined in input, the odds can be submitted as a data.frame or as a vector
input	Default to US Odds. Valid selections are "us" for US odds, "prob" for Probability ,"dec" for Decimal odds,"malay" for Malaysian odds, "hk" for Hong Kong odds, "indo" for Indonesian odds
output	Default to US Odds. Valid selections are "us" for US odds, "prob" for Probability ,"dec" for Decimal odds,"malay" for Malaysian odds, "hk" for Hong Kong odds, "indo" for Indonesian odds
Vectorized2wayOutput1stElement	
	This speeds up the calculation as the output is a a vector that contains the FV of the first input. Usefull in dplyr chains.

Value

A vector or a matrix of the fair values of the the given vigged values in the format chosen in output

Examples

```
odds.fv(-120,110)
odds.fv(2.05,3.12,2.90,input="dec",output="prob")
df <- data.frame(Home = c(1.5,1.8,1.9),
                 Away = c(2.9,2.2,2.05))
odds.fv(df,input = "dec",output = "prob")
odds.fv(df$Home,df$Away,input="dec",output="prob")
odds.fv(df$Home,df$Away,input="dec",output="prob",Vectorized2wayOutput1stElement = TRUE)
```

---

odds.hk2all   *Convert Hong Kong Odds to all other formats*

Description

Convert Hong Kong Odds to all other formats

Usage

```
odds.hk2all(x)
```

Arguments

x   A vector of Hong Kong odds

Value

A data.frame

Examples

```
odds.hk2all(c(1.93,0.05))
```

---

odds.hk2dec *Convert Hong Kong Odds to Decimal Odds*

Description

Convert Hong Kong Odds to Decimal Odds

Usage

```
odds.hk2dec(x)
```

Arguments

x   A vector of Hong Kong odds

Value

A vector of Decimal odds

Examples

```
odds.hk2dec(c(1.93,0.05))
```

---

odds.hk2indo *Convert Hong Kong Odds to Indonesian Odds*

Description

Convert Hong Kong Odds to Indonesian Odds

Usage

```
odds.hk2indo(x)
```

Arguments

x   A vector of Hong Kong odds

Value

A vector of Indonesian odds

Examples

```
odds.hk2indo(c(1.93,0.05))
```

---

odds.hk2malay *Convert Hong Kong Odds to Malaysian Odds*

Description

Convert Hong Kong Odds to Malaysian Odds

Usage

```
odds.hk2malay(x)
```

Arguments

x   A vector of Hong Kong odds

Value

A vector of Malaysian odds

Examples

```
odds.hk2malay(c(1.93,0.05))
```

---

odds.hk2prob *Convert Hong Kong Odds to Probabilities*

Description

Convert Hong Kong Odds to Probabilities

Usage

```
odds.hk2prob(x)
```

Arguments

x   A vector of Hong Kong odds

Value

A vector of Probabilities

Examples

```
odds.hk2us(c(1.93,0.05))
```

---

odds.hk2us *Convert Hong Kong Odds to US Odds*

Description

Convert Hong Kong Odds to US Odds

Usage

```
odds.hk2us(x)
```

Arguments

x   A vector of Hong Kong odds

Value

A vector of US odds

Examples

```
odds.hk2us(c(1.93,0.05))
```

---

odds.indo2all *Convert Indonesian to all other formats*

Description

Convert Indonesian to all other formats

Usage

```
odds.indo2all(x)
```

Arguments

x   A vector of Indonesian odds

Value

A data.frame

Examples

```
odds.indo2all(c(1.93,2.05))
```

---

odds.indo2dec   *Convert Indonesian odds to Decimal odds*

Description

Convert Indonesian odds to Decimal odds

Usage

```
odds.indo2dec(x)
```

Arguments

x   A vector of Indonesian odds

Value

A vector of Hong Kong odds

Examples

```
odds.indo2dec(c(1.93,2.05))
```

---

odds.indo2hk   *Convert Indonesian odds to Hong Kong odds*

Description

Convert Indonesian odds to Hong Kong odds

Usage

```
odds.indo2hk(x)
```

Arguments

x   A vector of Indonesian odds

Value

A vector of Hong Kong odds

Examples

```
odds.indo2hk(c(1.93,2.05))
```

---

odds.indo2malay *Convert Indonesian odds to Malaysian odds*

Description

Convert Indonesian odds to Malaysian odds

Usage

```
odds.indo2malay(x)
```

Arguments

x   A vector of Indonesian odds

Value

A vector of Malaysian odds

Examples

```
odds.indo2malay(c(1.93,2.05))
```

---

odds.indo2prob *Convert Indonesian odds to Probabilities*

Description

Convert Indonesian odds to Probabilities

Usage

```
odds.indo2prob(x)
```

Arguments

x   A vector of Indonesian odds

Value

A vector of Probabilities

Examples

```
odds.indo2hk(c(1.93,2.05))
```

---

odds.indo2us   *Convert Indonesian odds to US odds*

Description

Convert Indonesian odds to US odds

Usage

```
odds.indo2us(x)
```

Arguments

x   A vector of Indonesian odds

Value

A vector of US odds

Examples

```
odds.indo2us(c(1.93,2.05))
```

---

odds.malay2all   *Convert Malaysian Odds to all other formats*

Description

Convert Malaysian Odds to all other formats

Usage

```
odds.malay2all(x)
```

Arguments

x   A vector of Malaysian odds

Value

A data.frame

Examples

```
odds.malay2all(c(0.5,-0.6))
```

---

odds.malay2dec *Convert Malaysian odds to Decimal odds*

Description

Convert Malaysian odds to Decimal odds

Usage

```
odds.malay2dec(x)
```

Arguments

x   A vector of Malaysian odds

Value

A vector of Decimal odds

Examples

```
odds.malay2dec(c(0.5,-0.6))
```

---

odds.malay2hk *Convert Malaysian odds to Hong Kong odds*

Description

Convert Malaysian odds to Hong Kong odds

Usage

```
odds.malay2hk(x)
```

Arguments

x   A vector of Malaysian odds

Value

A vector of Hong Kong odds

Examples

```
odds.malay2hk(c(1.93,2.05))
```

odds.malay2indo	*Convert Malaysian odds to Indonesian odds*

Description

Convert Malaysian odds to Indonesian odds

Usage

```
odds.malay2indo(x)
```

Arguments

x   A vector of Malaysian odds

Value

A vector of Indonesian odds

Examples

```
odds.malay2indo(c(1.93,2.05))
```

odds.malay2prob	*Convert Malaysian odds to Probabilities*

Description

Convert Malaysian odds to Probabilities

Usage

```
odds.malay2prob(x)
```

Arguments

x   A vector of Malaysian odds

Value

A vector of Probabilities

Examples

```
odds.malay2prob(c(1.93,2.05))
```

---

odds.malay2us   *Convert Malaysian odds to US odds*

Description

Convert Malaysian odds to US odds

Usage

```
odds.malay2us(x)
```

Arguments

x   A vector of Malaysian odds

Value

A vector of US odds

Examples

```
odds.malay2us(c(0.5,-0.6))
```

---

odds.parlay   *Transfer a vector to odds into correct parlay odds*

Description

Transfer a vector to odds into correct parlay odds

Usage

```
odds.parlay(..., input = "us", output = "us")
```

Arguments

...	Odds of the format defined in input
input	Default to US Odds. Valid selections are "us" for US odds, "prob" for Probability ,"dec" for Decimal odds,"malay" for Malaysian odds, "hk" for Hong Kong odds, "indo" for Indonesian odds
output	Default to US Odds. Valid selections are "us" for US odds, "prob" for Probability ,"dec" for Decimal odds,"malay" for Malaysian odds, "hk" for Hong Kong odds, "indo" for Indonesian odds

Value

Parlay odds in desired odds format

Examples

```
odds.parlay(c(-105,-110),output="dec")
```

---

odds.prob2all   *Convert Probabilities to to all other formats*

Description

Convert Probabilities to to all other formats

Usage

```
odds.prob2all(x)
```

Arguments

x   A vector of Probabilities

Value

A data.frame

Examples

```
odds.prob2all(c(0.5,0.6))
```

---

odds.prob2dec   *Convert Probabilities to Decimal odds*

Description

Convert Probabilities to Decimal odds

Usage

```
odds.prob2dec(x)
```

Arguments

x   A vector of Probabilities

Value

A vector of Decimal odds

Examples

```
odds.prob2dec(c(0.5,0.6))
```

---

odds.prob2hk *Convert Probabilities to Hong Kong odds*

Description

Convert Probabilities to Hong Kong odds

Usage

```
odds.prob2hk(x)
```

Arguments

x   A vector of Probabilities

Value

A vector of Hong Kong odds

Examples

```
odds.prob2hk(c(0.5,0.6))
```

---

odds.prob2indo *Convert Probabilities to Indonesian odds*

Description

Convert Probabilities to Indonesian odds

Usage

```
odds.prob2indo(x)
```

Arguments

x   A vector of Probabilities

Value

A vector of Indonesian odds

Examples

```
odds.prob2indo(c(0.5,0.6))
```

---

odds.prob2malay   *Convert Probabilities to Malaysian odds*

Description

Convert Probabilities to Malaysian odds

Usage

```
odds.prob2malay(x)
```

Arguments

x   A vector of Probabilities

Value

A vector of Malaysian odds

Examples

```
odds.prob2malay(c(0.5,0.6))
```

---

odds.prob2us   *Convert Probabilities to US odds*

Description

Convert Probabilities to US odds

Usage

```
odds.prob2us(x)
```

Arguments

x   A vector of Probabilities

Value

A vector of US odds

Examples

```
odds.prob2us(c(0.5,0.6))
```

---

odds.us2all	*Convert US Odds to all other formats*

Description

Convert US Odds to all other formats

Usage

```
odds.us2all(x)
```

Arguments

x   A vector of US odds

Value

A data.frame

Examples

```
odds.us2all(c(-200,105))
```

---

odds.us2dec	*Convert US odds to Decimal odds*

Description

Convert US odds to Decimal odds

Usage

```
odds.us2dec(x)
```

Arguments

x   A vector of US odds

Value

A vector of Decimal odds

Examples

```
odds.us2dec(c(-200,150))
```

---

odds.us2hk *Convert US odds to Hong Kong odds*

Description

Convert US odds to Hong Kong odds

Usage

```
odds.us2hk(x)
```

Arguments

x   A vector of US odds

Value

A vector of Hong Kong odds

Examples

```
odds.us2hk(c(-200,150))
```

---

odds.us2indo *Convert US odds to Indonesian odds*

Description

Convert US odds to Indonesian odds

Usage

```
odds.us2indo(x)
```

Arguments

x   A vector of US odds

Value

A vector of Indonesian odds

Examples

```
odds.us2indo(c(-200,150))
```

---

odds.us2malay   *Convert US odds to Malaysian odds*

Description

Convert US odds to Malaysian odds

Usage

```
odds.us2malay(x)
```

Arguments

x   A vector of US odds

Value

A vector of Malaysian odds

Examples

```
odds.us2malay(c(-200,150))
```

---

odds.us2prob   *Convert US odds to Probabilities*

Description

Convert US odds to Probabilities

Usage

```
odds.us2prob(x)
```

Arguments

x   A vector of US odds

Value

A vector of Probabilities

Examples

```
odds.us2prob(c(-200,150))
```

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