Package 'odds.converter'

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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.
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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.decRindo
Convert Decimal Odds to Indonesian odds

Description
Convert Decimal Odds to Indonesian odds

Usage
odds.decRindo(x)

Arguments
x A vector of Decimal odds

Value
A vector of Indonesian odds

Examples
odds.decRindo(c(1.93, 2.05))
odds.dec2malay \hspace{1cm} Convert Decimal Odds to Malaysian odds

Description
Convert Decimal Odds to Malaysian odds

Usage
odds.dec2malay(x)

Arguments
x \hspace{1cm} A vector of Decimal odds

Value
A vector of Malaysian odds

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

odds.dec2prob \hspace{1cm} Convert Decimal Odds to Probabilities

Description
Convert Decimal Odds to Probabilities

Usage
odds.dec2prob(x)

Arguments
x \hspace{1cm} 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**

```r
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.
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**

```r
donals.hk2malay(x)
```

**Arguments**

- `x` A vector of Hong Kong odds

**Value**

A vector of Malaysian odds

**Examples**

```r
donals.hk2malay(c(1.93, 0.05))
```

odds.hk2prob

*Convert Hong Kong Odds to Probabilities*

**Description**

Convert Hong Kong Odds to Probabilities

**Usage**

```r
donals.hk2prob(x)
```

**Arguments**

- `x` A vector of Hong Kong odds

**Value**

A vector of Probabilities

**Examples**

```r
donals.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 Malay to All

**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 Indonesian to US

**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.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
odds.prob2dec

Value
Parlay odds in desired odds format

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

odds.prob2all Convert Probabilities to all other formats

Description
Convert Probabilities 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
odds.prob2hk

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
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
odds.us2all

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
**odds.us2indo**

**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
odds.us2malay

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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