

# Package ‘faoswsFlag’

September 1, 2014

**Type** Package

**Title** Package to manipulate and aggregate observational status

**Version** 1.0

**Date** 2014-06-26

**Author** Michael C. J. Kao <michael.kao@fao.org>

**Maintainer** Michael C. J. Kao <michael.kao@fao.org>

**Description** This package provides functions to manipulate and aggregate observational status flags.

**License** GPL (>= 3)

**LazyData** yes

**ZipData** no

**VignetteBuilder** knitr

**Suggests** knitr

## R topics documented:

faoswsFlag-package . . . . .	2
aggregateObservationFlag . . . . .	2
faoswsFlagTable . . . . .	2
flag2weight . . . . .	3
weight2flag . . . . .	3
<b>Index</b>	<b>4</b>

---

faoswsFlag-package	<i>Package to manipulate and aggregate observational status flags.</i>
--------------------	--

---

### Description

This package provides functions to manipulate and aggregate observational status flags.

### Author(s)

Michael. C. J. Kao <michael.kao@fao.org>

---

aggregateObservationFlag	<i>This function performs aggregation on the flag</i>
--------------------------	---

---

### Description

The aggregation is based on the weight of the flag as designated by the table. Official sources has high weight while data from unreliable sources has low weight.

### Usage

```
aggregateObservationFlag(..., flagTable = faoswsFlagTable)
```

### Arguments

...	Vectors of Flags, see detail
flagTable	The table which maps the relationship between the flag and its information weight.

### Details

The argument for flag is the same to the function sum. Multiple instances of the flag can be pass in to the function to be aggregated.

### See Also

[sum](#)

---

faoswsFlagTable	<i>Flag table for the new FAO statistical working system</i>
-----------------	--

---

### Description

The table maps the relationship between the observational status flag and it's corresponding information weight

---

flag2weight	<i>Function to convert flag to information weight.</i>
-------------	--

---

**Description**

The flag is converted to a numeric information weight for quantification and further manipulation.

**Usage**

```
flag2weight(flagObservationStatus, flagTable = faoswsFlagTable)
```

**Arguments**

flagObservationStatus	The flag
flagTable	The table mapping the flag and weights

---

weight2flag	<i>Function to convert information weight to flag.</i>
-------------	--

---

**Description**

The function converts a numeric information weight back to flags.

**Usage**

```
weight2flag(flagObservationWeight, flagTable = faoswsFlagTable)
```

**Arguments**

flagObservationWeight	The flag information weight
flagTable	The table mapping the flag and weights

# Index

\*Topic **datasets**

faoswsFlagTable, [2](#)

\*Topic **package**

faoswsFlag-package, [2](#)

aggregateObservationFlag, [2](#)

faoswsFlag-package, [2](#)

faoswsFlagTable, [2](#)

flag2weight, [3](#)

sum, [2](#)

weight2flag, [3](#)