

# Package ‘webTRISr’

August 8, 2019

**Type** Package

**Title** A Wrapper Around 'WebTRIS' Traffic Flow API from Highways  
England

**Version** 0.2.0

**Description** Provides functions to query data from the 'WebTRIS' Traffic Flow API (from Highways England) into tidy data frames.  
The API documentation is available here: <<http://webtris.highwaysengland.co.uk/api/swagger/ui/index>>.

**URL** <https://github.com/RACFoundation/webTRISr>

**BugReports** <https://github.com/RACFoundation/webTRISr/issues>

**License** GPL-3

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.1.1

**Suggests** testthat, devtools

**Imports** stringr, jsonlite, lubridate, magrittr, httr, purrr, dplyr,  
methods, readr, sf

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2019-08-07 23:00:02 UTC

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annual\_totals\_parser    *Annual total parser*

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**Description**

Annual total parser

**Usage**

```
annual_totals_parser(response)
```

**Arguments**

response            a httr response

**Value**

parsed response from httr

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webtris\_areas            *Areas*

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**Description**

Returns areas from WEBTRIS API

**Usage**

```
webtris_areas(areaID)
```

**Arguments**

areaID            area ID. If none provided then returns all.

**Value**

data.frame

**Examples**

```
webtris_areas()  
webtris_areas(areaID=3)
```

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webtris_quality	<i>Quality</i>
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**Description**

Quality

**Usage**

```
webtris_quality(siteID, start_date, end_date, daily = TRUE)
```

**Arguments**

siteID	either a single site ID or a list c(1,2,3). Daily data doesn't support a list of sites.
start_date	either a string in the format ddmmyy or a Date (lubridate)
end_date	either a string in the format ddmmyy or a Date (lubridate)
daily	TRUE or FALSE. If FALSE returns overall. Use FALSE when list of siteIDs.

**Value**

data.frame

**Note**

The API returns incorrect quality values for aggregated queries, fix is implemented on the client side.

**Examples**

```
webtris_quality('7', start_date='01012017', end_date='01022017', daily=TRUE)
```

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webtris_report	<i>webtris_report</i>
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**Description**

webtris\_report

**Usage**

```
webtris_report(sites, start_date, end_date, report_type,
  maxrequest = 10000, verbose = FALSE, return_raw = FALSE)
```

**Arguments**

sites	siteId(s) i.e. 7 or '7' or c('7','8','9')
start_date	in format 'DDMMYYYY' or as a Date object
end_date	in format 'DDMMYYYY' or as a Date object
report_type	options are: "daily", "annual-totals", "annual-monthly", "monthly-summary", "monthly-daily", "monthly-daily-aggregate", "monthly-hourly-aggregate"
maxrequest	Maximum number of rows to return per request (optional)
verbose	Prints the API call
return_raw	Return a raw httr response rather than a data frame

**Value**

a dataframe (default) or httr object (if return\_raw=TRUE)

**Examples**

```
webtris_report(sites=c("7"), start_date="01-01-2017", end_date="01-03-2017", report_type='daily')
```

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webtris_sites	<i>Sites</i>
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**Description**

Sites

**Usage**

```
webtris_sites(siteID, sf = FALSE, crs = 4326)
```

**Arguments**

siteID	Numeric site ID. Blank will return all sites.
sf	logic, return results as an sf object, defaults 'FALSE'.
crs	Numeric, specify CRS, defaults to 4326

**Value**

dataframe of sites.

**Examples**

```
webtris_sites()
webtris_sites('3')
webtris_sites('3', sf = TRUE)
```

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