

Package ‘Relexon’

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Type Package

Title Explore the UK's National Power Grid Datasets

Version 0.1.0

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Description The purpose of 'Relexon' is to allow R users to pull data from the UK's Balancing Mechanism Reporting Service, otherwise known as 'Elexon', using the 'BMRS' API <<https://www.bmreports.com/bmrs/?q=help/about-us>>. This can range from different types of electricity generation, how much electricity is used in a 5-minute period, imports, temperatures and forecasts. Users will require an 'Elexon' key, which are freely available by registering at <<https://www.elexonportal.co.uk>>.

License GPL-3

Depends R (>= 2.10)

Imports readr

Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

NeedsCompilation no

Repository CRAN

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`elexonData`*elexonData*

Description

This function pulls data from Elexon/BMRS, given a user's key, start and end dates and the dataset in question Please note: it does not matter if BMRS requires the dates to be in a different format to "yyyy-mm-dd". The Relexon package will take care of this. Just enter the dates in the usual format!

Usage

```
elexonData(dataset, key, from, to)
```

Arguments

<code>dataset</code>	The dataset you are pulling from BMRS/Elexon.
<code>key</code>	Your personal scripting key from elexon. Find out more at https://www.elexonportal.co.uk
<code>from</code>	This is the start date/datetime of the dataset
<code>to</code>	This is the end date/datetime of the dataset

Examples

```
## Not run:  
elexonData(dataset = "ROLSYSDM", key = "bne89n4f", from = "2018-01-01", to = "2019-01-01")  
  
## End(Not run)
```

`elexonList`*elexonList*

Description

This simply gives a list of all the datasets you can pull from Elexon/BMRS

Usage

```
elexonList()
```

Examples

```
## Not run:
elexonList()
## End(Not run)
## Not run:
View(elexonList())

## End(Not run)
```

elexonURL

elexonURL

Description

This function a URL that can be used to download csv files manually Please note: it does not matter if BMRS requires the dates to be in a different format to "yyyy-mm-dd". The Relexon package will take care of this. Just enter the dates in the usual format!

Usage

```
elexonURL(dataset, key, from, to)
```

Arguments

dataset	The dataset you are pulling from BMRS/Elexon.
key	Your personal scripting key from elexon. Find out more at https://www.elexonportal.co.uk
from	This is the start date/datetime of the dataset
to	This is the end date/datetime of the dataset

Examples

```
## Not run:
elexonURL(dataset = "HHFUEL", key = "948ghmgpe", from = "2018-01-01", to = "2018-01-05")

## End(Not run)
```

listAPI	<i>A list of all the dataset names available via BMRS and their parameters @docType data</i>
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Description

A list of all the dataset names available via BMRS and their parameters @docType data

Usage

```
listAPI
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 95 rows and 10 columns.

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*Topic **datasets**

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