

Package ‘blsAPI’

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Version 0.1.1

Title Request Data From The U.S. Bureau of Labor Statistics API

Author Michael Silva <mike.a.silva@gmail.com>

Maintainer Michael Silva <mike.a.silva@gmail.com>

Description Allows users to request data for one or multiple series through the U.S. Bureau of Labor Statistics API. Users provide parameters as specified in http://www.bls.gov/developers/api_signature.htm and the function returns a JSON string.

Depends R (>= 3.1.1)

Imports rjson, RCurl

License GPL (>= 2)

LazyData true

NeedsCompilation no

Repository CRAN

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R topics documented:

blsAPI 1

Index 4

blsAPI *Request Data From The U.S. Bureau Of Labor Statistics API*

Description

Allows users to request data for one or multiple series through the U.S. Bureau of Labor Statistics API. Users provide parameters as specified in http://www.bls.gov/developers/api_signature.htm and the function returns a JSON string.

Usage

```
blsAPI(payload = NA, api.version = 1)
```

Arguments

payload a string or a list containing data to be sent to the API.
api.version an integer for which api version you want to use (i.e. 1 for v1, 2 for v2)

Details

See <http://www.bls.gov/developers/> and http://www.bls.gov/developers/api_signature.htm for more details on the payload.

Examples

```
## These examples are taken from http://www.bls.gov/developers/api_signature.htm
library(rjson)
library(blsAPI)

## API Version 1.0 R Script Sample Code
## Single Series request
response <- blsAPI('LAUCN040010000000005')
json <- fromJSON(response)

## Multiple Series
payload <- list('seriesid'=c('LAUCN040010000000005', 'LAUCN040010000000006'))
response <- blsAPI(payload)
json <- fromJSON(response)

## One or More Series, Specifying Years
payload <- list(
  'seriesid'=c('LAUCN040010000000005', 'LAUCN040010000000006'),
  'startyear'=2010,
  'endyear'=2012)
response <- blsAPI(payload)
json <- fromJSON(response)

## API Version 2.0 R Script Sample Code
## Single Series
response <- blsAPI('LAUCN040010000000005', 2)
json <- fromJSON(response)

## Multiple Series
payload <- list('seriesid'=c('LAUCN040010000000005', 'LAUCN040010000000006'))
response <- blsAPI(payload, 2)
json <- fromJSON(response)

## One or More Series with Optional Parameters
payload <- list(
  'seriesid'=c('LAUCN040010000000005', 'LAUCN040010000000006'),
  'startyear'=2010,
```

```
'endyear'=2012,  
'catalog'=FALSE,  
'calculations'=TRUE,  
'annualaverage'=TRUE,  
'registrationKey'='995f4e779f204473aa565256e8afe73e')  
response <- blsAPI(payload, 2)  
json <- fromJSON(response)
```

Index

*Topic **api**

blsAPI, 1

*Topic **bls**

blsAPI, 1

*Topic **economics**

blsAPI, 1

blsAPI, 1