Package ‘washex’

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getAffectedRCW  Link bills to Revised Code of Washington (RCW)

Description
Get a listing of all RCW citations affected by a given bill

Usage
getAffectedRCW(biennium, billId, paired = TRUE, type = c("df", "list", "xml"))

Arguments

biennium      Character vector representing the biennium(s) to be searched. Each argument
               should take the form "XXXX-YY"

billId        Character vector containing the bill(s) to be retrieved. Each argument should
               take the form "XX YYYY", where XX is the prefix (HB, SB, etc.) and YYYY
               is the bill number.

paired        If TRUE, will assume that equal length vectors represent paired data. Set to
               FALSE to generate an NxN grid of input arguments. Applies to equal length
               vector inputs only.

type          One of "df", "list", or "xml". Specifies the format for the output.

Value
getAffectedRCW returns an object of type equal to the type argument (defaults to dataframe)

Note
for more information on RCW codes, see https://apps.leg.wa.gov/rcw/

Examples
## usage for a single bill case, XML form
getAffectedRCW("2005-06", "HB 1427", type = "xml")

## generates a dataframe of affected codes from all bills in 2007
## Not run:
bills <- getLegislationByYear("2007")
codesAffected <- getAffectedRCW("2007-08", bills$BillId)
## End(Not run)
**getAmendments**

Get amendments to a bill

**Description**

Get a list of all proposed amendments (accepted and rejected) on the bill, including the URL to the amendment text.

**Usage**

```r
getAmendments(
  biennium,  # Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY"
  billNumber,  # Character or numeric vector containing the bill number(s) to be retrieved.
  paired = TRUE,  # If TRUE, will assume that equal length vectors represent paired data. Set to FALSE to generate an NxN grid of input arguments. Applies to equal length vector inputs only.
  type = c("df", "list", "xml")  # One of "df", "list", or "xml". Specifies the format for the output.
)
```

**Arguments**

- `biennium` Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY".
- `billNumber` Character or numeric vector containing the bill number(s) to be retrieved.
- `paired` If TRUE, will assume that equal length vectors represent paired data. Set to FALSE to generate an NxN grid of input arguments. Applies to equal length vector inputs only.
- `type` One of "df", "list", or "xml". Specifies the format for the output.

**Value**

`getAmendments` returns an object of type equal to the `type` argument (defaults to dataframe).

**Examples**

```r
## get amendments for a single bill
getAmendments("2007-08", "1001")

## get amendments for a specific set of bills
years <- c("2005-06","2007-08","2007-08")
bills <- c(1447,1219,1001)

getAmendments(years, bills, paired = TRUE, type = "df")
```
getBillSponsors | Get sponsor information for a bill

Description
Get sponsor information for a bill

Usage
getBillSponsors(biennium, billId, paired = TRUE, type = c("df", "list", "xml"))

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>biennium</td>
<td>Character vector representing the biennium(s) to be searched. Each argument should take the form &quot;XXXX-YY&quot;</td>
</tr>
<tr>
<td>billId</td>
<td>Character vector containing the bill(s) to be retrieved. Each argument should take the form &quot;XX YYYY&quot;, where XX is the prefix (HB, SB, etc.) and YYYY is the bill number.</td>
</tr>
<tr>
<td>paired</td>
<td>If TRUE, will assume that equal length vectors represent paired data. Set to FALSE to generate an N x N grid of input arguments. Applies to equal length vector inputs only.</td>
</tr>
<tr>
<td>type</td>
<td>One of &quot;df&quot;, &quot;list&quot;, or &quot;xml&quot;. Specifies the format for the output.</td>
</tr>
</tbody>
</table>

Value
getBillSponsors returns an object of type equal to the type argument (defaults to dataframe)

Examples
```r
## get the list of all sponsors on a set of bills, filtered for primary sponsorship
spons <- getBillSponsors("2007-08", c("HB 1001", "HB 1002", "HB 1003"))
sponsP <- subset(spons, Type == "Primary")
```

getCommitteeMembers | Get committee members

Description
Get committee members
getCommittees

Usage

getCommitteeMembers(
  biennium, 
  agency = c("House", "Senate"), 
  name, 
  paired = FALSE, 
  type = c("df", "list", "xml")
)

Arguments

biennium Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY"

agency One of "House" or "Senate", or a vector with these as its elements.

name Character vector of committee names. To get the committee names for a particular session, see getCommittees.

paired If TRUE, will assume that equal length vectors represent paired data. Set to FALSE to generate an NxN grid of input arguments. Applies to equal length vector inputs only.

type One of "df", "list", or "xml". Specifies the format for the output.

Value

getCommitteeMembers returns an object of type equal to the type argument (defaults to dataframe)

Examples

## get all committee members for a select number of committees and years
years <- c("2011-12","2013-14")
comms <- c("Education","Judiciary")

getCommitteeMembers(years, agency = "House", comms, paired = TRUE)

getCommittees

Get legislative committees

Description

Get a list of all committees that were active during the biennium, along with their respective committee code

Usage

getCommittees(biennium, type = c("df", "list", "xml"))
getCurrentStatus

Arguments

biennium  Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY"

Type  One of "df", "list", or "xml". Specifies the format for the output.

Value

generateCommittees returns an object of type equal to the type argument (defaults to dataframe)

Examples

generateCommittees("2007-08")

---

**getCurrentStatus**

Get bill status

Description

Get the current status of a given bill

Usage

generateCurrentStatus(
    biennium,
    billNumber,
    paired = TRUE,
    type = c("df", "list", "xml")
)

Arguments

biennium  Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY"

billNumber  Character or numeric vector containing the bill number(s) to be retrieved.

paired  If TRUE, will assume that equal length vectors represent paired data. Set to FALSE to generate an N x N grid of input arguments. Applies to equal length vector inputs only.

type  One of "df", "list", or "xml". Specifies the format for the output.

Value

generateCurrentStatus returns an object of type equal to the type argument (defaults to dataframe)

Note

This function returns the bill’s status as of today. If a bill was never passed, it lists the most recent status. To get a bill’s complete history, use generateStatusChanges
getHearings

Examples

```r
getCurrentStatus("2007-08", "1001")

## get final status for all bills written in 2011
## Not run:
billNums <- getLegislationByYear("2011")
status <- getCurrentStatus("2011-12", billNums$billNumber)
## End(Not run)
```

getHearings

Get hearings regarding a bill

Description

Get a list of dates, locations, and descriptions of all committee hearings on a particular bill

Usage

```r
getHearings(biennium, billNumber, paired = TRUE, type = c("df", "list", "xml"))
```

Arguments

- **biennium**: Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY"
- **billNumber**: Character or numeric vector containing the bill number(s) to be retrieved.
- **paired**: If TRUE, will assume that equal length vectors represent paired data. Set to FALSE to generate an NxN grid of input arguments. Applies to equal length vector inputs only.
- **type**: One of "df", "list", or "xml". Specifies the format for the output.

Value

getHearings returns an object of type equal to the type argument (defaults to dataframe)

Note

Due to the nature of the resulting XML document, the function trims data from excessively nested lists when type = "df". In order to access the full information, use type = "list" instead.

Examples

```r
## get hearings for all senate bills in 2011
bills <- getLegislationByYear("2011")
billsSenate <- subset(bills, OriginalAgency == "Senate")

## Not run: getHearings(billsSenate$Biennium, billsSenate$BillNumber, paired = TRUE, type = "df")
```
getLegislation  

Get summary information on a particular bill

Description

Get legislative summary information for a particular bill, including bill ID, introduction date, bill title(s), and description

Usage

getLegislation(
  biennium,
  billNumber,
  paired = TRUE,
  type = c("df", "list", "xml")
)

Arguments

biennium   Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY"

billNumber Character or numeric vector containing the bill number(s) to be retrieved.

paired     If TRUE, will assume that equal length vectors represent paired data. Set to FALSE to generate an N x N grid of input arguments. Applies to equal length vector inputs only.

type       One of "df", "list", or "xml". Specifies the format for the output.

Value

getLegislation returns an object of type equal to the type argument (defaults to dataframe)

Examples

gLegislation("2007-08", "1001")

## get XML data for the first 100 hundred bills of the 2007-08 session
## Not run: getLegislation("2007-08", 1001:1100, type = "xml")
**getLegislationByYear**  
*Get legislation by year*

**Description**
Get a list of all bills introduced during the year

**Usage**
```r
getLegislationByYear(year, type = c("df", "list", "xml"))
```

**Arguments**
- **year**: Character or numeric vector representing the year(s) to be searched.
- **type**: One of "df", "list", or "xml". Specifies the format for the output.

**Value**
`getLegislationByYear` returns an object of type equal to the `type` argument (defaults to dataframe)

**Examples**
```r
## Not run: getLegislationByYear("2007")
```

---

**getLegislationSigned**  
*Get bills signed into law*

**Description**
Get a dataframe containing all of the bills that originated in a given chamber and were eventually signed into law

**Usage**
```r
getLegislationSigned(
  biennium,
  agency = c("House", "Senate"),
  paired = FALSE,
  type = c("df", "list", "xml")
)
```
**getRCWBills**

Search for bills based on Revised Code (RCW) citations

**Description**

Get a list of all bills which reference or amend a particular portion of the Revised Code of Washington (RCW)

**Usage**

```r
getRCWBills(biennium, rcwCite, paired = FALSE, type = c("df", "list", "xml"))
```

**Arguments**

- `biennium`: Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY"
- `rcwCite`: Character vector for the citation in the RCW pull legislation from. Optional extensions for title, chapter, and section are allowed. For more information, see [https://apps.leg.wa.gov/rcw/](https://apps.leg.wa.gov/rcw/)
- `paired`: If TRUE, will assume that equal length vectors represent paired data. Set to FALSE to generate an NxN grid of input arguments. Applies to equal length vector inputs only.
- `type`: One of "df", "list", or "xml". Specifies the format for the output.

**Value**

`getRCWBills` returns an object of type equal to the `type` argument (defaults to dataframe)
getRollCalls

Examples

getRCWBills("2007-08", "13.40.0357")

getRollCalls Get roll call votes

Description

Get an XML containing roll call information for all recorded votes on a bill

Usage

getRollCalls.xml(biennium, billNumber, paired = TRUE)

getRollCalls.summary(
  biennium,
  billNumber,
  paired = TRUE,
  type = c("df", "list")
)

getRollCalls.votes(biennium, billNumber, paired = TRUE, type = c("df", "list"))

Arguments

biennium Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY"

billNumber Character or numeric vector containing the bill number(s) to be retrieved.

paired If TRUE, will assume that equal length vectors represent paired data. Set to FALSE to generate an NxN grid of input arguments. Applies to equal length vector inputs only.

type One of "df", "list", or "xml". Specifies the format for the output.

Value

getRollCalls.xml returns a list of XML objects for each bill. getRollCalls.summary and getRollCalls.votes return objects of type equal to the type argument (defaults to dataframe)

Note

Due to the nested nature of the resulting document, we provide various functions to present simplified views of the data that are compatible with more parsimonious data structures. To see the full, original data, use getRollCalls.xml instead.
Examples

```r
votes <- getRollCalls.summary("2007-08", "1001") # get roll call votes

length(votes) # total number of roll call votes recorded
votes$countYeas[3] # number of yea votes on roll call vote #3

## example: get member id's for all representatives voting against the bill
## on final passage
votes <- getRollCalls.votes("2007-08", "1001")
nay_votesFP <- subset(votes, (Motion == "Final Passage" & Vote == "Nay"))
print(nay_votesFP$MemberId)
```

---

### getSponsors

Get legislators

**Description**

Get a list of all sponsors (all congressmembers) for a given biennium

**Usage**

```r
getSponsors(biennium, type = c("df", "list", "xml"))
```

**Arguments**

- **biennium**: Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY"
- **type**: One of "df", "list", or "xml". Specifies the format for the output.

**Value**

`getSponsors` returns an object of type equal to the `type` argument (defaults to dataframe)

**Examples**

```r
getSponsors("2007-08")
```
getStatusChanges

Track historical progress on a bill

Description
Get a complete history of all status changes that occurred on a particular bill

Usage
getStatusChanges(
  biennium,
  billNumber,
  paired = TRUE,
  type = c("df", "list", "xml")
)

Arguments

biennium Character vector representing the biennium(s) to be searched. Each argument should take the form "XXXX-YY"
billNumber Character or numeric vector containing the bill number(s) to be retrieved.
paired If TRUE, will assume that equal length vectors represent paired data. Set to FALSE to generate an NxN grid of input arguments. Applies to equal length vector inputs only.
type One of "df", "list", or "xml". Specifies the format for the output.

Value
getStatusChanges returns an object of type equal to the type argument (defaults to dataframe)

Examples
getStatusChanges("2007-08", "1001", type = "list")
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