Package 'washex'

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Title Washington State Legislative Explorer

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Description Gets data from the Washington State Legislature.

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Depends R (>= 2.10)

Imports dplyr, purrr, rlang, curl, httr, xml2, XML (>= 3.99-0.5)

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

URL https://github.com/rwrandles/washex-r

BugReports https://github.com/rwrandles/washex-r/issues

NeedsCompilation no

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R topics documented:

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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

```
getAmendments(
  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

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

Examples

```
## 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

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

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

Examples

```
## 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"))
if(!is.null(spons)) sponsP <- subset(spons, Type == "Primary")
```

---

getCommitteeMembers   *Get committee members*

Description

Get committee members

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"))
```

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

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

Examples

```
getCommittees("2007-08")
```

---

getCurrentStatus   *Get bill status*

Description

Get the current status of a given bill

Usage

```
getCurrentStatus(
  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

getCurrentStatus 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 getStatusChanges

Examples

```
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

```
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

```
## get hearings for all senate bills in 2011
bills <- getLegislationByYear("2011")
if(!is.null(bills)) 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 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

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

Examples

```
getLegislation("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

```
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

```
## Not run: getLegislationByYear("2007")
```

---

getLegislationSigned *Get all 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

```
getLegislationSigned(
  biennium,
  agency = c("House", "Senate"),
  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.
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

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

Examples

```
## get all bills signed into law from the Senate between 2007-2010
bienniums <- c("2007-08", "2009-10")
getLegislationSigned(bienniums, "Senate")
```

---

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

```
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 to pull legislation from. Optional extensions for title, chapter, and section are allowed. For more information, see <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)

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 simpli-
fied views of the data that are compatible with more parsimonious data structures. To see the full,
original data, use getRollCalls.xml instead.

Examples

```
votes <- getRollCalls.summary("2007-08", "1001") # get roll call votes
if(!is.null(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")
if(!is.null(votes)) {
  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

```
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

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

---

getStatusChanges *Track historical progess 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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