

# Package ‘getLattes’

June 14, 2020

**Type** Package

**Title** Import and Process Data from the 'Lattes' Curriculum Platform

**Version** 0.1.1

**Maintainer** Roney Fraga Souza <roneyfraga@gmail.com>

**Description** Tool for import and process data from 'Lattes' curriculum platform (<<http://lattes.cnpq.br/>>). The Brazilian government keeps an extensive base of curricula for academics from all over the country, with over 5 million registrations. The academic life of the Brazilian researcher, or related to Brazilian universities, is documented in 'Lattes'. Some information that can be obtained: professional formation, research area, publications, academics advisories, projects, etc. 'getLattes' package allows work with 'Lattes' data exported to XML format.

**License** GPL-3

**Encoding** UTF-8

**LazyData** TRUE

**RoxygenNote** 7.1.0

**URL** <https://github.com/roneyfraga/getLattes>

**BugReports** <https://github.com/roneyfraga/getLattes/issues>

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**Imports** XML, utils, dplyr, tibble, pipeR, rlang, rlist, stringr, stringi

**Depends** R (>= 3.5.0)

**NeedsCompilation** no

**Author** Roney Fraga Souza [aut, cre] (<<https://orcid.org/0000-0001-5750-489X>>),  
Winicius Sabino [aut]

**Repository** CRAN

**Date/Publication** 2020-06-14 16:10:05 UTC

**R topics documented:**

getApresentacaoTrabalho . . . . .	3
getAreasAtuacao . . . . .	3
getArtigosPublicados . . . . .	4
getAtuacoesProfissionais . . . . .	5
getBancasDoutorado . . . . .	6
getBancasGraduacao . . . . .	6
getBancasJulgadas . . . . .	7
getBancasMestrado . . . . .	8
getCapitulosLivros . . . . .	9
getCharacter . . . . .	9
getCursoCurtaDuracao . . . . .	10
getDadosGerais . . . . .	11
getEnderecoProfissional . . . . .	11
getEventosCongressos . . . . .	12
getFormacao . . . . .	13
getIdiomias . . . . .	14
getJornaisRevistas . . . . .	14
getLinhaPesquisa . . . . .	15
getLivrosPublicados . . . . .	16
getOrganizacaoEvento . . . . .	17
getOrientacoesDoutorado . . . . .	17
getOrientacoesMestrado . . . . .	18
getOrientacoesOutras . . . . .	19
getOrientacoesPosDoutorado . . . . .	20
getOutrasProducoesBibliograficas . . . . .	20
getOutrasProducoesTecnicas . . . . .	21
getParticipacaoProjeto . . . . .	22
getPrefacio . . . . .	23
getPremiosTitulos . . . . .	23
getProducaoTecnica . . . . .	24
getProgramaRadioTV . . . . .	25
getRelatorioPesquisa . . . . .	26
getTrabalhosEventos . . . . .	26
mostFrequent . . . . .	27
normalizeByDoi . . . . .	28
normalizeJournals . . . . .	29
normalizeYears . . . . .	30
readLattes . . . . .	31
unzipLattes . . . . .	32
xmlsLattes . . . . .	33

---

```
getApresentacaoTrabalho  
  getApresentacaoTrabalho
```

---

**Description**

Extract academic's papers presentation, from XML file converted to R list.

**Usage**

```
getApresentacaoTrabalho(curriculo)
```

**Arguments**

curriculo      XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){  
  data(xmlsLattes)  
  # to import from one curriculum  
  getApresentacaoTrabalho(xmlsLattes2[[2]])  
  
  # to import from two or more curricula  
  lapply(xmlsLattes, getApresentacaoTrabalho) %>>%  
    bind_rows %>>%  
    as_tibble  
}
```

---

```
getAreasAtuacao      getAreasAtuacao
```

---

**Description**

Extract Research Area from XML file converted to R list.

**Usage**

```
getAreasAtuacao(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getAreasAtuacao(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getAreasAtuacao)
  head(bind_rows(lt))
}
```

---

`getArtigosPublicados` *getArtigosPublicados*

---

**Description**

Extract published papers from XML file converted to R list.

**Usage**

```
getArtigosPublicados(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getArtigosPublicados(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getArtigosPublicados)
  head(bind_rows(lt))
}
```

---

```
getAtuacoesProfissionais
  getAtuacoesProfissionais
```

---

**Description**

Extract professional links from XML file converted to R list.

**Usage**

```
getAtuacoesProfissionais(curriculo)
```

**Arguments**

curriculo      XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getAtuacoesProfissionais(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getAtuacoesProfissionais)
  head(bind_rows(lt))
}
```

---

`getBancasDoutorado`     *getBancasDoutorado*

---

**Description**

Extract Ph.D. Examination Board's from XML file converted to R list.

**Usage**

```
getBancasDoutorado(curriculo)
```

**Arguments**

`curriculo`     XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getBancasDoutorado(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getBancasDoutorado)
  head(bind_rows(lt))
}
```

---

`getBancasGraduacao`     *getBancasGraduacao*

---

**Description**

Extract Undergraduate Examination Board's from XML file converted to R list.

**Usage**

```
getBancasGraduacao(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getBancasGraduacao(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getBancasGraduacao)
  head(bind_rows(lt))
}
```

---

*getBancasJulgadoras*    *getBancasJulgadoras*

---

**Description**

Extract General Examination Board's from XML file converted to R list.

**Usage**

```
getBancasJulgadoras(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getBancasJulgadoras(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getBancasJulgadoras)
  head(bind_rows(lt))
}
```

---

getBancasMestrado      *getBancasMestrado*

---

**Description**

Extract Master Examination Board's from XML file converted to R list.

**Usage**

```
getBancasMestrado(curriculo)
```

**Arguments**

curriculo      XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getBancasMestrado(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getBancasMestrado)
  head(bind_rows(lt))
}
```



---

`getCapitulosLivros`      *getCapitulosLivros*

---

**Description**

Extract Books Chapter from XML file converted to R list.

**Usage**

```
getCapitulosLivros(curriculo)
```

**Arguments**

`curriculo`      XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){  
  data(xmlsLattes)  
  # to import from one curriculum  
  getCapitulosLivros(xmlsLattes[[2]])  
  
  # to import from two or more curricula  
  lt <- lapply(xmlsLattes, getCapitulosLivros)  
  head(bind_rows(lt))  
}
```

---

`getCharacter`      *getCharacter*

---

**Description**

Extract variable names in import process (get functions).

**Usage**

```
getCharacter(x)
```

**Arguments**

x XML exported from Lattes imported to R as list.

**Value**

data frame.

---

`getCursoCurtaDuracao` *getCursoCurtaDuracao*

---

**Description**

Extract Short Duration Course from XML file converted to R list.

**Usage**

```
getCursoCurtaDuracao(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getCursoCurtaDuracao(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getCursoCurtaDuracao)
  head(bind_rows(lt))
}
```

---

getDadosGerais	<i>getDadosGerais</i>
----------------	-----------------------

---

**Description**

Extract General Data from XML file converted to R list.

**Usage**

```
getDadosGerais(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getDadosGerais(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getDadosGerais)
  head(bind_rows(lt))
}
```

---

getEnderecoProfissional	<i>getEnderecoProfissional</i>
-------------------------	--------------------------------

---

**Description**

Extract Professional Address from XML file converted to R list.

**Usage**

```
getEnderecoProfissional(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getEnderecoProfissional(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getEnderecoProfissional)
  head(bind_rows(lt))
}
```

---

`getEventosCongressos` *getEventosCongressos*

---

**Description**

Extract Events and Congresses from XML file converted to R list.

**Usage**

```
getEventosCongressos(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getEventosCongressos(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getEventosCongressos)
  head(bind_rows(lt))
}
```

---

getFormacao

*getFormacao*

---

**Description**

Extract Professional Formation from XML file converted to R list.

**Usage**

```
getFormacao(curriculo)
```

**Arguments**

curriculo      XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

list

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getFormacao(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getFormacao)
}
```

---

`getIdiomas`*getIdiomas*

---

**Description**

Extract Languages from XML file converted to R list.

**Usage**

```
getIdiomas(curriculo)
```

**Arguments**

`curriculo` XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getIdiomas(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getIdiomas)
  head(bind_rows(lt))
}
```

---

`getJornaisRevistas`*getJornaisRevistas*

---

**Description**

Extract Newspapers and Magazines from XML file converted to R list.

**Usage**

```
getJornaisRevistas(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getJornaisRevistas(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getJornaisRevistas)
  head(bind_rows(lt))
}
```

---

*getLinhaPesquisa*      *getLinhaPesquisa*

---

**Description**

Extract Research Lines from XML file converted to R list.

**Usage**

```
getLinhaPesquisa(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getLinhaPesquisa(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getLinhaPesquisa)
  head(bind_rows(lt))
}
```

---

getLivrosPublicados    *getLivrosPublicados*

---

**Description**

Extract Published Books from XML file converted to R list.

**Usage**

```
getLivrosPublicados(curriculo)
```

**Arguments**

curriculo        XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getLivrosPublicados(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getLivrosPublicados)
  head(bind_rows(lt))
}
```



---

getOrganizacaoEvento    *getOrganizacaoEvento*

---

**Description**

Extract Event's Organization from XML file converted to R list.

**Usage**

```
getOrganizacaoEvento(curriculo)
```

**Arguments**

curriculo        XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getOrganizacaoEvento(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getOrganizacaoEvento)
  head(bind_rows(lt))
}
```

---

getOrientacoesDoutorado  
*getOrientacoesDoutorado*

---

**Description**

Extract Academic Advisory (Ph.D. Thesis) from XML file converted to R list.

**Usage**

```
getOrientacoesDoutorado(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getOrientacoesDoutorado(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getOrientacoesDoutorado)
  head(bind_rows(lt))
}
```

---

`getOrientacoesMestrado`

*getOrientacoesMestrado*

---

**Description**

Extract Academic Advisory (Master Thesis) from XML file converted to R list.

**Usage**

```
getOrientacoesMestrado(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getOrientacoesMestrado(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getOrientacoesMestrado)
  head(bind_rows(lt))
}
```

---

*getOrientacoesOutras*    *getOrientacoesOutras*

---

**Description**

Extract Academic Advisory (Other) from XML file converted to R list.

**Usage**

```
getOrientacoesOutras(curriculo)
```

**Arguments**

curriculo        XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getOrientacoesOutras(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getOrientacoesOutras)
  head(bind_rows(lt))
}
```

```
getOrientacoesPosDoutorado  
  getOrientacoesPosDoutorado
```

---

**Description**

Extract Academic Advisory (Post-Doctorate) from XML file converted to R list.

**Usage**

```
getOrientacoesPosDoutorado(curriculo)
```

**Arguments**

curriculo      XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){  
  data(xmlsLattes)  
  # to import from one curriculum  
  getOrientacoesPosDoutorado(xmlsLattes[[2]])  
  
  # to import from two or more curricula  
  lt <- lapply(xmlsLattes, getOrientacoesPosDoutorado)  
  head(bind_rows(lt))  
}
```

---

```
getOutrasProducoesBibliograficas  
  getOutrasProducoesBibliograficas
```

---

**Description**

Extract Other Bibliographic Productions from XML file converted to R list.

**Usage**

```
getOutrasProducoesBibliograficas(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getOutrasProducoesBibliograficas(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getOutrasProducoesBibliograficas)
  head(bind_rows(lt))
}
```

---

getOutrasProducoesTecnicas  
*getOutrasProducoesTecnicas*

---

**Description**

Extract Other Technical Productions from XML file converted to R list.

**Usage**

```
getOutrasProducoesTecnicas(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getOutrasProducoesTecnicas(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getOutrasProducoesTecnicas)
  head(bind_rows(lt))
}
```

---

getParticipacaoProjeto

*getParticipacaoProjeto*

---

**Description**

Extract Participation in Projects from XML file converted to R list.

**Usage**

```
getParticipacaoProjeto(curriculo)
```

**Arguments**

curriculo      XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getParticipacaoProjeto(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getParticipacaoProjeto)
  head(bind_rows(lt))
}
```

---

getPrefacio	<i>getPrefacio</i>
-------------	--------------------

---

**Description**

Extract Preface from XML file converted to R list.

**Usage**

```
getPrefacio(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){  
  data(xmlsLattes)  
  # to import from one curriculum  
  getPrefacio(xmlsLattes[[2]])  
  
  # to import from two or more curricula  
  lt <- lapply(xmlsLattes, getPrefacio)  
  head(bind_rows(lt))  
}
```

---

getPremiosTitulos	<i>getPremiosTitulos</i>
-------------------	--------------------------

---

**Description**

Extract Awards and Medals from XML file converted to R list.

**Usage**

```
getPremiosTitulos(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getPremiosTitulos(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getPremiosTitulos)
  head(bind_rows(lt))
}
```

---

`getProducaoTecnica`      *getProducaoTecnica*

---

**Description**

Extract Technical Production from XML file converted to R list.

**Usage**

```
getProducaoTecnica(curriculo)
```

**Arguments**

curriculo XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame



**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getProducaoTecnica(xmlsLattes[[499]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getProducaoTecnica)
  head(bind_rows(lt))
}
```

---

*getProgramaRadioTV*      *getProgramaRadioTV*

---

**Description**

Extract TV and Radio Program from XML file converted to R list.

**Usage**

```
getProgramaRadioTV(curriculo)
```

**Arguments**

curriculo      XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getProgramaRadioTV(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getProgramaRadioTV)
  head(bind_rows(lt))
}
```

---

getRelatorioPesquisa    *getRelatorioPesquisa*

---

**Description**

Extract Research Report from XML file converted to R list.

**Usage**

```
getRelatorioPesquisa(curriculo)
```

**Arguments**

curriculo            XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getRelatorioPesquisa(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getRelatorioPesquisa)
  head(bind_rows(lt))
}
```

---

getTrabalhosEventos    *getTrabalhosEventos*

---

**Description**

Extract Works in Event from XML file converted to R list.

**Usage**

```
getTrabalhosEventos(curriculo)
```

**Arguments**

`curriculo` XML exported from Lattes imported to R as list.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**Examples**

```
if(interactive()){
  data(xmlsLattes)
  # to import from one curriculum
  getTrabalhosEventos(xmlsLattes[[2]])

  # to import from two or more curricula
  lt <- lapply(xmlsLattes, getTrabalhosEventos)
  head(bind_rows(lt))
}
```

---

`mostFrequent`

*mostFrequent*

---

**Description**

Extract the most frequent occurrence, helpful to `group_by`.

**Usage**

```
mostFrequent(x)
```

**Arguments**

`x` data frame.

**Value**

data frame.

---

normalizeByDoi	<i>normalizeByDoi</i>
----------------	-----------------------

---

### Description

Normalize articles data: title, journal name, ISSN, and year by DOI code. The most common information (title, journal name, ISSN, and year) will be inserted into all articles with the same DOI code.

### Usage

```
normalizeByDoi(  
  dataframe,  
  doi = "doi",  
  year = "ano.do.artigo",  
  issn = "issn",  
  paperTitle = "titulo.do.artigo",  
  journalName = "titulo.do.periodico.ou.revista"  
)
```

### Arguments

dataframe	data imported with readLattes() then getArtigosPublicados()
doi	variable with DOI code
year	variable with year
issn	variable with issn
paperTitle	variable with paper title
journalName	variable with journal name

### Details

Curriculum without this information will return NULL.

### Value

data frame

### See Also

[group\\_by](#), [arrange](#), [mutate](#)

## Examples

```
if(interactive()){
  data(latesXML)
  al <- lapply(xmlsLattes, getArtigosPublicados)
  adf <- bind_rows(al)

  head(
    normalizeByDoi(dataframe=adf,
                  doi='doi',
                  year='ano.do.artigo',
                  issn='issn',
                  paperTitle='titulo.do.artigo',
                  journalName= 'titulo.do.periodico.ou.revista')
  )
}
```

---

normalizeJournals      *normalizeJournals*

---

## Description

Normalize journals data: journal name, and ISSN. Two or more journals with the same ISSN will receive the most common Journal Name, then two or more journals with the same name will receive the most common ISSN.

## Usage

```
normalizeJournals(
  dataframe,
  journalName = "titulo.do.periodico.ou.revista",
  issn = "issn"
)
```

## Arguments

dataframe	data imported with readLattes() then getArtigosPublicados()
journalName	variable with journal name
issn	variable with issn

## Details

DETAILS

## Value

data frame

**See Also**

[stri\\_trans\\_general](#), [group\\_by](#), [arrange](#), [mutate](#)

**Examples**

```
if(interactive()){
  data(latesXML)
  al <- lapply(xmlsLattes, getArtigosPublicados)
  adf <- dplyr::bind_rows(al)

  head(
    normalizeByDoi(dataframe=adf,
                   issn='issn',
                   journalName= 'titulo.do.periodico.ou.revista')
  )
}
```

---

normalizeYears	<i>normalizeYears</i>
----------------	-----------------------

---

**Description**

FUNCTION\_DESCRIPTION

**Usage**

```
normalizeYears(
  dataframe,
  year2normalize = "ano.do.artigo",
  issn = "issn",
  journalName = "titulo.do.periodico.ou.revista",
  paperTitle = "titulo.do.artigo"
)
```

**Arguments**

dataframe	data imported with readLattes() then getArtigosPublicados()
year2normalize	variable year
issn	variable with issn, Default: 'issn'
journalName	variable with journal name, Default: 'revista'
paperTitle	variable with paper title, Default: 'titulo'

**Details**

DETAILS

**Value**

data frame

**See Also**

[group\\_by](#), [arrange](#), [mutate](#)

**Examples**

```
if(interactive()){
  data(latesXML)
  l <- lapply(xmlslattes, getArtigosPublicados)
  df <- bind_rows(al) %>% tbl_df

  ead(
    normalizeYears(dataframe=adf,
                   year2normalize='ano.do.artigo',
                   issn='issn',
                   journalName= 'titulo.do.periodico.ou.revista',
                   paperTitle='titulo.do.artigo')
  )
}
```

---

readLattes

*readLattes*

---

**Description**

Import Lattes exported XML to R list.

**Usage**

```
readLattes(filexml = ".xml$", path = ".")
```

**Arguments**

filexml XML file exported from Lattes, can be a pattern `'*.xml$'`.  
path Directory with xml files.

**Details**

filexml XML file locally stored

**Value**

list

**Examples**

```
## Not run:
if(interactive()){
# to import only one file
readLattes(filexml='4984859173592703.zip.xml')
# to import several files
readLattes(filexml='*.xml$')

# to specify a direferent directory
# readLattes(filexml='*.xml$', path='data/')
}

## End(Not run)
```

---

unzipLattes

*unzipLattes*


---

**Description**

Unzip Lattes file to XML preserving 16 digits id as the file name.

**Usage**

```
unzipLattes(filezip = "*.zip$", path = ".")
```

**Arguments**

filezip	Zip files in your local machine.
path	Directory with zip files.

**Details**

Only zip files with 16 digits Lattes ids will be extracted.

**Value**

no return

**Examples**

```
## Not run:
if(interactive()){

unzipLattes(filezip='*.zip')

}

## End(Not run)
```



---

xmlsLattes

*Two Lattes Curricula for example*

---

**Description**

Two Lattes curricula, from important researchers in my academic journey, imported as R list.

**Usage**

xmlsLattes

**Format**

list

# Index

## \*Topic **Lattes**

- [xmlsLattes, 33](#)
  
- [arrange, 28, 30, 31](#)
  
- [getApresentacaoTrabalho, 3](#)
- [getAreasAtuacao, 3](#)
- [getArtigosPublicados, 4](#)
- [getAtuacoesProfissionais, 5](#)
- [getBancasDoutorado, 6](#)
- [getBancasGraduacao, 6](#)
- [getBancasJulgadoras, 7](#)
- [getBancasMestrado, 8](#)
- [getCapitulosLivros, 9](#)
- [getCharacter, 9](#)
- [getCursoCurtaDuracao, 10](#)
- [getDados Gerais, 11](#)
- [getEnderecoProfissional, 11](#)
- [getEventosCongressos, 12](#)
- [getFormacao, 13](#)
- [getIdiomas, 14](#)
- [getJornaisRevistas, 14](#)
- [getLinhaPesquisa, 15](#)
- [getLivrosPublicados, 16](#)
- [getOrganizacaoEvento, 17](#)
- [getOrientacoesDoutorado, 17](#)
- [getOrientacoesMestrado, 18](#)
- [getOrientacoesOutras, 19](#)
- [getOrientacoesPosDoutorado, 20](#)
- [getOutrasProducoesBibliograficas, 20](#)
- [getOutrasProducoesTecnicas, 21](#)
- [getParticipacaoProjeto, 22](#)
- [getPrefacio, 23](#)
- [getPremiosTitulos, 23](#)
- [getProducaoTecnica, 24](#)
- [getProgramaRadioTV, 25](#)
- [getRelatorioPesquisa, 26](#)
- [getTrabalhosEventos, 26](#)
- [group\\_by, 28, 30, 31](#)
  
- [mostFrequent, 27](#)
- [mutate, 28, 30, 31](#)
  
- [normalizeByDoi, 28](#)
- [normalizeJournals, 29](#)
- [normalizeYears, 30](#)
  
- [readLattes, 31](#)
  
- [stri\\_trans\\_general, 30](#)
  
- [unzipLattes, 32](#)
  
- [xmlsLattes, 33](#)