

Package ‘getLattes’

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Type Package

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

Version 1.0.0

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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

RoxygenNote 7.3.1

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

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

Suggests knitr, rlang, rmarkdown

VignetteBuilder knitr

Imports xml2, dplyr, tibble, janitor, purrr

Depends R (>= 4.1.0)

NeedsCompilation no

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getAreasAtuacao	<i>getAreasAtuacao</i>
-----------------	------------------------

Description

Extract Research Area from 'Lattes' XML file.

Usage

```
getAreasAtuacao(curriculo)
```

Arguments

curriculo	'Lattes' XML imported as 'xml2::read_xml()'.
-----------	--

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [bind](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()) {  
  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getAreasAtuacao(curriculo)  
  
}
```

getArtigosAceitos	<i>getArtigosAceitos</i>
-------------------	--------------------------

Description

Extract accepteds papers from 'Lattes' XML file.

Usage

```
getArtigosAceitos(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#), [pmap](#) [bind_rows](#), [bind_cols](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getArtigosAceitos(curriculo)  
  
}
```

getArtigosPublicados	<i>getArtigosPublicados</i>
----------------------	-----------------------------

Description

Extract published papers from 'Lattes' XML file.

Usage

```
getArtigosPublicados(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getArtigosPublicados(curriculo)  
  
}
```

```
getAtuacoesProfissionais  
  getAtuacoesProfissionais
```

Description

Extract professional links from 'Lattes' XML file.

Usage

```
getAtuacoesProfissionais(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getAtuacoesProfissionais(curriculo)  
}
```

getBancasDoutorado	<i>getBancasDoutorado</i>
--------------------	---------------------------

Description

Extract Ph.D. Examination Board's from 'Lattes' XML file.

Usage

```
getBancasDoutorado(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getBancasDoutorado(curriculo)  
}
```

getBancasGraduacao	<i>getBancasGraduacao</i>
--------------------	---------------------------

Description

Extract Undergraduate Examination Board's from 'Lattes' XML file.

Usage

```
getBancasGraduacao(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getBancasGraduacao(curriculo)  
}
```

getBancasMestrado	<i>getBancasMestrado</i>
-------------------	--------------------------

Description

Extract Master Examination Board's from 'Lattes' XML file.

Usage

```
getBancasMestrado(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getBancasMestrado(curriculo)  
}
```

getCapitulosLivros	<i>getCapitulosLivros</i>
--------------------	---------------------------

Description

Extract Books Chapter from 'Lattes' XML file.

Usage

```
getCapitulosLivros(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getCapitulosLivros(curriculo)  
}
```

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

Description

Extract General Data from 'Lattes' XML file.

Usage

```
getDadosGerais(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [bind](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getDadosGerais(curriculo)  
}
```

```
getEnderecoProfissional  
  getEnderecoProfissional
```

Description

Extract Profissional Address from 'Lattes' XML file.

Usage

```
getEnderecoProfissional(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [bind](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getEnderecoProfissional(curriculo)  
}
```

getEventosCongressos	<i>getEventosCongressos</i>
----------------------	-----------------------------

Description

Extract Events and Congresses from 'Lattes' XML file.

Usage

```
getEventosCongressos(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#), [xml_children](#) [map](#), [map2](#) [bind](#), [mutate](#), [select](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getEventosCongressos(curriculo)  
}
```

getFormacaoDoutorado	<i>getFormacaoDoutorado</i>
----------------------	-----------------------------

Description

Extract Professional Formation from 'Lattes' XML file.

Usage

```
getFormacaoDoutorado(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#), [xml_children](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getFormacaoDoutorado(curriculo)  
}
```

getFormacaoGraduacao	<i>getFormacaoGraduacao</i>
----------------------	-----------------------------

Description

Extract Professional Formation from 'Lattes' XML file.

Usage

```
getFormacaoGraduacao(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#) [bind](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getFormacaoGraduacao(curriculo)  
}
```

getFormacaoMestrado	<i>getFormacaoMestrado</i>
---------------------	----------------------------

Description

Extract Professional Formation from 'Lattes' XML file.

Usage

```
getFormacaoMestrado(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#), [xml_children](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getFormacaoMestrado(curriculo)  
}
```

getId	<i>getId</i>
-------	--------------

Description

Extract the unique 16 digits identification from 'Lattes' XML file.

Usage

```
getId(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

character

See Also

[xml_attr](#) [bind](#), [select](#), [pull](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getId(curriculo)  
}
```

getIdiomas	<i>getIdiomas</i>
------------	-------------------

Description

Extract Languages from 'Lattes' XML file.

Usage

```
getIdiomas(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_children](#), [xml_attr](#) [map](#) [bind](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getIdiomas(curriculo)  
}
```

getLinhaPesquisa	<i>getLinhaPesquisa</i>
------------------	-------------------------

Description

Extract Research Lines from 'Lattes' XML file.

Usage

```
getLinhaPesquisa(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getLinhaPesquisa(curriculo)  
}
```

getLivrosPublicados	<i>getLivrosPublicados</i>
---------------------	----------------------------

Description

Extract Published Books from 'Lattes' XML file.

Usage

```
getLivrosPublicados(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#), [xml_children](#) [map](#), [map2](#) [bind](#), [mutate](#), [select](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getLivrosPublicados(curriculo)  
}
```

getOrganizacaoEventos *getOrganizacaoEventos*

Description

Extract Event's Organization from 'Lattes' XML file.

Usage

```
getOrganizacaoEventos(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getOrganizacaoEventos(curriculo)  
}
```

```
getOrientacoesDoutorado  
  getOrientacoesDoutorado
```

Description

Extract Academic Advisory (Ph.D. Thesis) from "Lattes" XML file.

Usage

```
getOrientacoesDoutorado(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()){  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getOrientacoesDoutorado(curriculo)  
}
```

```
getOrientacoesMestrado  
  getOrientacoesMestrado
```

Description

Extract Academic Advisory (Master Thesis) from 'Lattes' XML file.

Usage

```
getOrientacoesMestrado(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()){  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getOrientacoesMestrado(curriculo)  
}
```

```
getOrientacoesPosDoutorado  
  getOrientacoesPosDoutorado
```

Description

Extract Academic Advisory (Post-Doctorate) from 'Lattes' XML file.

Usage

```
getOrientacoesPosDoutorado(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()){  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getOrientacoesPosDoutorado(curriculo)  
}
```

```
getOutrasProducoesTecnicas  
  getOutrasProducoesTecnicas
```

Description

Extract Other Technical Productions from 'Lattes' XML file.

Usage

```
getOutrasProducoesTecnicas(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#), [xml_children](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getOutrasProducoesTecnicas(curriculo)  
}
```

```
getParticipacaoProjeto  
  getParticipacaoProjeto
```

Description

Extract Participation in Projects from 'Lattes' XML file.

Usage

```
getParticipacaoProjeto(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#), [xml_children](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getParticipacaoProjeto(curriculo)  
}
```

getPatentes	<i>getPatentes</i>
-------------	--------------------

Description

Extract Patent data from 'Lattes' XML file.

Usage

```
getPatentes(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [bind](#), [distinct](#), [mutate](#) [clean_names](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getPatentes(curriculo)  
}
```

getProducaoTecnica	<i>getProducaoTecnica</i>
--------------------	---------------------------

Description

Extract Technical Production from 'Lattes' XML file.

Usage

```
getProducaoTecnica(curriculo)
```

Arguments

curriculo 'Lattes' XML imported as 'xml2::read_xml()'.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#), [select](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getProducaoTecnica(curriculo)  
}
```

`getTrabalhosEmEventos` *getTrabalhosEmEventos*

Description

Extract published papers from 'Lattes' XML file.

Usage

```
getTrabalhosEmEventos(curriculo)
```

Arguments

`curriculo` 'Lattes' XML imported as `'xml2::read_xml()'`.

Details

Curriculum without this information will return NULL.

Value

data frame

See Also

[xml_find_all](#), [xml_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean_names](#) [tibble](#)

Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getTrabalhosEmEventos(curriculo)  
}
```

`writePublicationsRis` *writePublicationsRis*

Description

Function to convert and export Published Articles and Books to RIS format.

Usage

```
writePublicationsRis(  
  x,  
  filename = "papers.ris",  
  append = F,  
  citationName = F,  
  tableLattes = "ArtigosPublicados"  
)
```

Arguments

<code>x</code>	data frame
<code>filename</code>	external file where the data will be saved, Default: 'papers.ris'
<code>append</code>	to an existing file, Default: F
<code>citationName</code>	authors name field, Default: F
<code>tableLattes</code>	bibliographic data to be exported, 'ArtigosPublicados', 'Livros' or 'CapitulosLivros', Default: 'ArtigosPublicados'

Value

data frame

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

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