

# Package ‘getLattes’

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**Type** Package

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

**Version** 0.2.0

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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** 7.1.1

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

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

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**Imports** xml2, dplyr, tibble, pipeR, rlang, janitor, purrr

**Depends** R (>= 4.1.0)

**NeedsCompilation** no

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

**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)  
  
}
```

---

`getArtigosPublicados`    *getArtigosPublicados*

---

**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`     *getBancasDoutorado*

---

### **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     *getBancasGraduacao*

---

### 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)  
}
```

---

<code>getBancasMestrado</code>	<code>getBancasMestrado</code>
--------------------------------	--------------------------------

---

**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`     *getCapitulosLivros*

---

### **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)  
}
```



---

<code>getDadosGerais</code>	<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 Professional 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` *getEventosCongressos*

---

### **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` *getFormacaoDoutorado*

---

### **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* *getFormacaoGraduacao*

---

**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`    *getFormacaoMestrado*

---

### **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)  
}
```

---

<code>getId</code>	<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`*getIdiomas*

---

**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`    *getLivrosPublicados*

---

### **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`     *getProducaoTecnica*

---

**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)  
  
}
```

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