

# Package ‘CINE’

October 12, 2022

**Type** Package

**Title** Classification International Normalized of Education

**Version** 0.1.3

**Description** Function using lemmatization to classify educational programs according to the CINE(Classification International Normalized of Education) for Peru.

**Depends** R (>= 3.5.0)

**License** GPL-3

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.2.0

**URL** <https://github.com/musajajorge/CINE>

**Imports** dplyr, tm, tidytext, tidyr

**NeedsCompilation** no

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**Repository** CRAN

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|      |                                                                                    |
|------|------------------------------------------------------------------------------------|
| cine | <i>Classifies educational programs using lemmatization and CINE classification</i> |
|------|------------------------------------------------------------------------------------|

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### Description

Uses the lemmatization of the education program name to combine with the CINE dataframe.

### Usage

```
cine(df, EducationProgram, filterBy)
```

### Arguments

|          |                                                                                                                                                                                                                        |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| df       | Name of dataframe<br>EducationProgram                                                                                                                                                                                  |
|          | Name of Education Program                                                                                                                                                                                              |
| filterBy | Academic level code. Use 'AUX' for 'Auxiliar técnico', 'TEC' for 'Técnico', 'PTC' for 'Profesional técnico', 'PRF' for 'Profesional', '2DA' for 'Segunda especialidad', 'MAG' for 'Maestría' and 'PHD' for 'Doctorado' |

### Value

A dataframe with CINE classification result fields

### Examples

```
df <- data.frame(c("Administración de Negocios Internacionales",
  "Ingeniería de Telecomunicaciones",
  "Ingeniería Geográfica",
  "Psicología Organizacional y de la Gestión Humana",
  "Educación Secundaria Especialidad Lengua y Literatura",
  "Educación Secundaria, Mención en: Ciencias Matemáticas",
  "Ciencias de la Comunicación con Especialidad en Periodismo",
  "Ingeniería Pesquera",
  "Medicina Humana",
  "Medicina Veterinaria",
  "Carrera de Economía",
  "Radiología",
  "Biología - Microbiología",
  "Marketing y Negocios Internacionales",
  "Tecnología Médica con Especialidad en Laboratorio Clínico"))
colnames(df) <- "ProgramaEducativo"
cine(df=df, EducationProgram="ProgramaEducativo", filterBy='PRF')
```

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df\_CINE

*Peru: International Standard Classification of Education*

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**Description**

Peru: International Standard Classification of Education

**Usage**

df\_CINE

**Format**

dataframe

**Education\_COD** chr Education code

**Education** chr Education

**Specific\_COD** chr Specific code

**Specific** chr Specific

**AcademicLevel** dbl Academic Level

**AcademicLevel\_COD** dbl Academic Level code

**EducationProgram** dbl Education Program

**EducationProgram\_Lemma** dbl Lemma of the Education Program

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df\_LEMMA

*Lemma of the Education Program*

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**Description**

Lemma of the Education Program

**Usage**

df\_LEMMA

**Format**

dataframe

**word** chr word

**lemma** chr lemma

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MyStopWords

*My StopWords*

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**Description**

My StopWords

**Usage**

MyStopWords

**Format**

character

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