

# Package ‘istacr’

July 18, 2025

**Type** Package

**Title** Obtaining Open Data from Instituto Canario De Estadistica (ISTAC) API

**Version** 0.3.0

**Date** 2025-07-08

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**Description** You can access to open data published in Instituto Canario De Estadistica (ISTAC) APIs at <<https://datos.canarias.es/api/estadisticas/>>.

**License** GPL (>= 3) + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Imports** jsonlite,  
utils,  
httr

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.2

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---

get_indicators	<i>Get indicators</i>
----------------	-----------------------

---

## Description

This function returns a list of indicators published in the ISTAC-indicators database. An indicator is a measure used to know the intensity of a phenomenon in spacetime. This measure can refer to different spatial or temporal granularities.

## Usage

```
get_indicators(  
  q = "",  
  order = "",  
  limit = 25,  
  offset = 0,  
  fields = "",  
  representation = ""  
)
```

## Arguments

q	(string): Metadata query on which the searches can be built using id, subjectCode or geographicValue.
order	(string): Order. Possible values are: update and id. Order criteria are ASC and DESC.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
fields	(string): Use of the answer by adding new fields. Possible values are: +metadata, +data and +observationsMetadata.
representation	(string): Allows filtering the observations by their value. Its use only makes sense when +data and/or +observationsMetadata has been included.

## Examples

```
get_indicators(  
  q='id IN ("AFILIACIONES", "EMPLEO_REGISTRADO_AGRICULTURA")',  
  order="id ASC",  
  fields="+data",  
  representation="GEOGRAPHICAL[35003|35005], MEASURE[ABSOLUTE]"  
)
```

---

get\_indicators\_code      *Get indicators code*

---

### Description

This function returns the metadata that describe the characteristics of a specific indicator, allowing the compression of the measured fact; also through the data request the complete data (for all spacetime) of the indicator is provided.

### Usage

```
get_indicators_code(indicatorcode)
```

### Arguments

indicatorcode    (string): an indicator code

### Examples

```
get_indicators_code("AFILIACIONES")
get_indicators_code("PARO_REGISTRADO")
```

---

get\_indicators\_code\_data  
                            *Get indicators code data*

---

### Description

This function returns complete data (for all spacetime) of the indicator. On the other hand, meta-data describing the characteristics of a specific indicator are offered through the metadata request, allowing the compression of the measured fact.

### Usage

```
get_indicators_code_data(
  indicatorcode,
  representation = "",
  granularity = "",
  fields = "",
  as_dataframe = T
)
```

### Arguments

indicatorcode    (string): an indicator code

representation   (string): Allows filtering the observations by their value.

granularity      (string): Allows to filter the observations through the granularities of the same.

fields            (string): Allows you to customize the response by excluding fields. The possible values are: -observationsMetadata.

as\_dataframe (bool): If True, this function returns a namedtuple with:

- dataframe: pandas dataframe built from API response.
- codelists: mapping between codes and representations for each column.

### Examples

```
get_indicators_code_data("AFILIACIONES")
```

---

```
get_indicators_geographical_values
```

*Get geographical values*

---

### Description

This function returns values of a geographical granularity that in turn are part of a specific theme or system of indicators.

### Usage

```
get_indicators_geographical_values(  
    geographicalgranularitycode,  
    subjectcode,  
    systemcode = ""  
)
```

### Arguments

geographicalgranularitycode  
(string): geographical granularity code

subjectcode (string): subject code

systemcode (string): system code

### Examples

```
get_indicators_geographical_values(  
    "REGIONS",  
    subjectcode="051",  
    systemcode="C00067A"  
)
```

---

```
get_indicators_geographic_granularities
```

*Get geographic granularities*

---

**Description**

This function returns a list of geographic granularities treated in the ISTAC-indicators database. For example provincial, insular or municipal granularity.

**Usage**

```
get_indicators_geographic_granularities()
```

**Examples**

```
get_indicators_geographic_granularities()
```

---

```
get_indicators_subjects
```

*Get subjects*

---

**Description**

This function returns all subjects which the ISTAC classifies its statistical operations.

**Usage**

```
get_indicators_subjects()
```

**Examples**

```
get_indicators_subjects()
```

---

```
get_indicators_systems
```

*Get indicators systems*

---

**Description**

This function returns a list of indicator systems published in the ISTAC-indicators database. The indicators are simple or compound statistics, however a single indicator can rarely provide useful information about complex phenomena such as the economic situation, living conditions, schooling or others. Indicator systems are generally designed to generate more and more accurate information about the conditions of a phenomenon; and for this they are organized in dimensions or areas of analysis, under which the indicators are integrated.

**Usage**

```
get_indicators_systems(limit = 25, offset = 0)
```

**Arguments**

`limit` (int): Results limit. By default `limit = 25`.  
`offset` (int): Displacement. Result from which it is returned. By default `offset = 0`.

**Examples**

```
get_indicators_systems()
```

---

```
get_indicators_systems_code
```

*Get indicators system code*

---

**Description**

This function returns metadata of a system of indicators published in the ISTAC-indicators database. The indicators are simple or compound statistics, however a single indicator can rarely provide useful information about complex phenomena such as the economic situation, living conditions, schooling or others.

**Usage**

```
get_indicators_systems_code(indicatorssystemcode)
```

**Arguments**

`indicatorssystemcode`  
(string): an indicator system code

**Examples**

```
get_indicators_systems_code("C00075H")
```

---

```
get_indicators_systems_code_instances
```

*Get indicators system code instances*

---

**Description**

This function returns instances of indicators associated with a specific indicator system. An instance of an indicator is nothing more than a spatio-temporal query of an indicator when it is incorporated into a specific indicator system.

**Usage**

```
get_indicators_systems_code_instances(
    indicatorsystemcode,
    q = "",
    order = "",
    limit = 25,
    offset = 0,
    fields = "",
    representation = "",
    granularity = ""
)
```

**Arguments**

indicatorsystemcode	(string): with an indicator system code
q	(string): Query of metadata on which the searches can be built are: id and geographicalValue.
order	(string): Order. Possible values are: update and id and order criteria are ASC and DESC.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
fields	(string): Use of the answer by adding new fields. Possible values are: +metadata, +data and +observationsMetadata.
representation	(string): Allows filtering the observations by their value. Its use only makes sense when +data and/or +observationsMetadata has been included.
granularity	(string): Allows to filter the observations through the granularities of the same. Its use only makes sense when +data and/or +observationsMetadata has been included.

**Examples**

```
get_indicators_systems_code_instances("C00075H")
get_indicators_systems_code_instances(
    "C00075H",
    q='id EQ "INDICADORES_MUNICIPALES"'
)
```

---

```
get_indicators_systems_code_instances_code
```

*Get indicators system code instances code*

---

**Description**

This function returns metadata of an indicator set associated with a specific indicator system. An instance of an indicator is nothing more than a spatio-temporal query of an indicator when it is incorporated into a specific indicator system.



## Usage

```
get_indicators_systems_code_instances_code(
    indicatorsystemcode,
    indicatorinstancecode
)
```

## Arguments

```

indicatorsystemcode
    (string) indicator system code
indicatorinstancecode
    (string) indicator instance code

```

## Examples

```
get_indicators_systems_code_instances_code(
    "C00075H",
    "21af0477-d63b-493b-ad02-4ab181547223"
)
```

get\_indicators\_systems\_code\_instances\_code\_data

*Get indicators system code instances code data*

## Description

This function returns metadata of an indicator set associated with a specific indicator system. An instance of an indicator is nothing more than a spatio-temporal query of an indicator when it is incorporated into a specific indicator system.

## Usage

```
get_indicators_systems_code_instances_code_data(
    indicatorsystemcode,
    indicatorinstancecode,
    representation = "",
    granularity = "",
    fields = ""
)
```

## Arguments

<code>indicatorsystemcode</code>	(string): Indicator system code
<code>indicatorinstancecode</code>	(string): Indicator instance code
<code>representation</code>	(string): Allows filtering the observations by their value.
<code>granularity</code>	(string): Allows to filter the observations through the granularities of the same.
<code>fields</code>	(string): Allows you to customize the response by excluding fields. The possible values are: <code>-observationsMetadata</code> .

**Examples**

```
get_indicators_systems_code_instances_code_data(
    "C00075H",
    "21af0477-d63b-493b-ad02-4ab181547223"
)
```

---

```
get_indicators_time_granularities
    Get time granularities
```

---

**Description**

This function returns a list of temporary granularity treated in the ISTAC data bank-indicators ordered from highest to lowest granularity. For example annual, quarterly or monthly granularity.

**Usage**

```
get_indicators_time_granularities()
```

**Examples**

```
get_indicators_time_granularities()
```

---

```
get_statisticalresources_datasets
    Get datasets
```

---

**Description**

This function allows consulting all existing statistical data cubes.

**Usage**

```
get_statisticalresources_datasets(
    lang = "es",
    limit = 25,
    offset = 0,
    orderby = "",
    query = ""
)
```

**Arguments**

lang	(string): Language in which you want to get the answer.
limit	(int): Results limit. By default limit=25.
offset	(int): Displacement. Result from which it is returned. By default offset=0.
orderby	(string): Order. Possible values are ID ASC or ID DESC.
query	(string): Metadata query on which the searches can be built.

**Examples**

```
get_statisticalresources_datasets(limit=5)
```

---

```
get_statisticalresources_datasets_agency
    Get datasets (agencyID)
```

---

### Description

This function allows to consult all the data sets maintained by a certain organization.

### Usage

```
get_statisticalresources_datasets_agency(
    agencyid,
    lang = "es",
    limit = 25,
    offset = 0,
    orderby = "",
    query = ""
)
```

### Arguments

agencyid	(string): Identifier of the maintainer organization of the resource. A possible value is ISTAC.
lang	(string): Language in which you want to get the answer.
limit	(int): Results limit. By default limit=25.
offset	(int): Displacement. Result from which it is returned. By default offset=0.
orderby	(string): Order. Possible values are ID ASC or ID DESC.
query	(string): Metadata query on which the searches can be built.

### Examples

```
get_statisticalresources_datasets_agency(agencyid="ISTAC")
```

---

```
get_statisticalresources_datasets_agency_resource
    Get datasets (agencyID / resourceID)
```

---

### Description

This function allows to obtain all the versions of a statistical cube with a certain identifier and that also maintains a certain organization.

**Usage**

```
get_statisticalresources_datasets_agency_resource(
    agencyid,
    resourceid,
    lang = "es",
    limit = 25,
    offset = 0,
    orderby = "",
    query = ""
)
```

**Arguments**

agencyid	(string): Identifier of the maintainer organization of the resource. A possible value is ISTAC.
resourceid	(string): Resource identifier. A possible value is C00010A_000002.
lang	(string): Language in which you want to get the answer.
limit	(int): Results limit. By default limit=25.
offset	(int): Displacement. Result from which it is returned. By default offset=0.
orderby	(string): Order. Possible values are ID ASC or ID DESC.
query	(string): Metadata query on which the searches can be built.

**Examples**

```
get_statisticalresources_datasets_agency_resource(
    agencyid="ISTAC",
    resourceid="C00010A_000002"
)
```

---

```
get_statisticalresources_datasets_agency_resource_version
    Get datasets (agencyID / resourceID / version)
```

---

**Description**

This function allows to obtain a certain version of a statistical cube with a certain identifier and that also maintains a certain organization.

**Usage**

```
get_statisticalresources_datasets_agency_resource_version(
    agencyid,
    resourceid,
    version,
    dim = "",
    fields = "",
    lang = "es",
    as_dataframe = T
)
```

**Arguments**

agencyid	(string): Identifier of the maintainer organization of the resource. A possible value is ISTAC.
resourceid	(string): Resource identifier. A possible value is C00010A_000002.
version	(string): Resource version. A possible value is 001.000.
dim	(string): Allows filtering the data obtained in the response. A example is TIME_PERIOD:2009 2010.
fields	(string): Allows you to customize the response by excluding fields from it. The possible values are -metadata and -data.
lang	(string): Language in which you want to get the answer.
as_dataframe	(bool): If True, this function returns a namedtuple with: <ul style="list-style-type: none"> <li>dataframe: pandas dataframe built from API response.</li> <li>codelists: mapping between codes and representations for each column.</li> </ul>

**Examples**

```
get_statisticalresources_datasets_agency_resource_version(
    agencyid="ISTAC",
    resourceid="C00010A_000012",
    version="001.000",
    dim="TIME_PERIOD:2009")
```

---

```
get_statisticalresources_queries
    Get queries
```

---

**Description**

This function allows consulting all existing statistical queries.

**Usage**

```
get_statisticalresources_queries(
    lang = "es",
    limit = 25,
    offset = 0,
    orderby = "",
    query = ""
)
```

**Arguments**

lang	(string): Language in which you want to get the answer.
limit	(int): Results limit. By default limit=25.
offset	(int): Displacement. Result from which it is returned. By default offset=0.
orderby	(string): Order. Possible values are ID ASC or ID DESC,
query	(string): Metadata query on which the searches can be built.

**Examples**

```
get_statisticalresources_queries(limit=5)
```

---

```
get_statisticalresources_queries_agency
    Get queries (agencyID)
```

---

### Description

This function allows to consult all the queries maintained by a certain organization.

### Usage

```
get_statisticalresources_queries_agency(
    agencyid,
    lang = "es",
    limit = 25,
    offset = 0,
    orderby = "",
    query = ""
)
```

### Arguments

agencyid	(string): Identifier of the maintainer organization of the resource. A possible value is ISTAC.
lang	(string): Language in which you want to get the answer.
limit	(int): Results limit. By default limit=25.
offset	(int): Displacement. Result from which it is returned. By default offset=0.
orderby	(string): Order. Possible values are ID ASC or ID DESC,
query	(string): Metadata query on which the searches can be built.

### Examples

```
get_statisticalresources_queries_agency(agencyid="ISTAC", limit=5)
```

---

```
get_statisticalresources_queries_agency_resource
    Get queries (agencyID / resourceID)
```

---

### Description

This function allows to obtain final data of a statistical query with a certain identifier and that also maintains a certain organization.

### Usage

```
get_statisticalresources_queries_agency_resource(
    agencyid,
    resourceid,
    fields = "",
    lang = "es",
    as_dataframe = T
)
```

**Arguments**

agencyid	(string): Identifier of the maintainer organization of the resource. A possible value is ISTAC.
resourceid	(string): Resource identifier. A possible value is C00005A_000004.
fields	(string): Allows you to customize the response by excluding fields from it. <ul style="list-style-type: none"> <li>The possible values are -metadata and -data.</li> </ul>
lang	(string): Language in which you want to get the answer.
as_dataframe	(bool): If True, this function returns a namedtuple with: <ul style="list-style-type: none"> <li>dataframe: pandas dataframe built from API response.</li> <li>codelists: mapping between codes and representations for each column.</li> </ul>

**Examples**

```
get_statisticalresources_queries_agency_resource(
    agencyid="ISTAC",
    resourceid="C00005A_000004"
)
```

---

```
get_structuralresources_categorisations
    Get categorisations
```

---

**Description**

This function returns the content from /v1.0/categorisations

**Usage**

```
get_structuralresources_categorisations(
    limit = 25,
    offset = 0,
    query = "",
    orderby = ""
)
```

**Arguments**

limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset=0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_categorisations()
get_structuralresources_categorisations(
    query="ID EQ 2090",
    orderby="ID ASC"
)
```

---

```
get_structuralresources_categorisations_agency
```

*Get categorisations agency*

---

### Description

This function returns the content from `/v1.0/categorisations/{agencyID}`

### Usage

```
get_structuralresources_categorisations_agency(  
    agencyid,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

<code>agencyid</code>	(string): Identifier of the agency that publishes.
<code>limit</code>	(int): Results limit. By default <code>limit = 25</code> .
<code>offset</code>	(int): Displacement. Result from which it is returned. By default <code>offset=0</code> .
<code>query</code>	(string): Query to filter the results.
<code>orderby</code>	(string): Field by which to sort the results.

### Examples

```
get_structuralresources_categorisations_agency("ISTAC")
```

---

```
get_structuralresources_categorisations_agency_resource
```

*Get categorisations agency resource*

---

### Description

This function returns the content from `/v1.0/categorisations/{agencyID}/{resourceID}`

### Usage

```
get_structuralresources_categorisations_agency_resource(  
    agencyid,  
    resourceid,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```



**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset=0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_categorisations_agency_resource("ISTAC", "cat2")
```

---

```
get_structuralresources_categorisations_agency_resource_version
```

*Get categorisations agency resource version*

---

**Description**

This function returns the content from `/v1.0/categorisations/{agencyID}/{resourceID}/{version}`

**Usage**

```
get_structuralresources_categorisations_agency_resource_version(  
    agencyid,  
    resourceid,  
    version  
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
version	(string): Specific version of the resource.

**Examples**

```
get_structuralresources_categorisations_agency_resource_version(  
    "ISTAC",  
    "cat2",  
    "01.000"  
)
```

get\_structuralresources\_category\_schemes  
*Get category schemes*

---

### Description

This function returns the content from /v1.0/categoryschemes

### Usage

```
get_structuralresources_category_schemes(  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

### Examples

```
get_structuralresources_category_schemes()  
get_structuralresources_category_schemes(  
    query="ID EQ 2090",  
    orderby="ID ASC"  
)
```

---

get\_structuralresources\_category\_schemes\_agency  
*Get category schemes agency*

---

### Description

This function returns the content from /v1.0/categoryschemes/{agencyID}

### Usage

```
get_structuralresources_category_schemes_agency(  
    agencyid,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_category_schemes_agency(
  "ISTAC",
  query="ID EQ 2090",
  orderby="ID ASC"
)
```

---

```
get_structuralresources_category_schemes_agency_resource
  Get category schemes agency resource
```

---

**Description**

This function returns the content from `/v1.0/categorieschemes/{agencyID}/{resourceID}`

**Usage**

```
get_structuralresources_category_schemes_agency_resource(
  agencyid,
  resourceid,
  limit = 25,
  offset = 0,
  query = "",
  orderby = ""
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_category_schemes_agency_resource(
  "ISTAC",
  "TEMAS_CANARIAS"
)
```

get\_structuralresources\_category\_schemes\_agency\_resource\_version

*Get category schemes agency resource version*

---

### Description

This function returns the content from /v1.0/categorieschemes/{agencyID}/{resourceID}/{version}

### Usage

```
get_structuralresources_category_schemes_agency_resource_version(  
    agencyid,  
    resourceid,  
    version  
)
```

### Arguments

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
version	(string): Specific version of the resource.

### Examples

```
get_structuralresources_category_schemes_agency_resource_version(  
    "ISTAC",  
    "TEMAS_CANARIAS",  
    "01.000"  
)
```

---

get\_structuralresources\_category\_schemes\_agency\_resource\_version\_categories

*Get category schemes agency resource version categories*

---

### Description

This function returns the content from /v1.0/categorieschemes/{agencyID}/{resourceID}/{version}/categories

### Usage

```
get_structuralresources_category_schemes_agency_resource_version_categories(  
    agencyid,  
    resourceid,  
    version,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
version	(string): Specific version of the resource.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_category_schemes_agency_resource_version_categories(  
  "ISTAC",  
  "TEMAS_CANARIAS",  
  "01.000"  
)
```

---

get\_structuralresources\_category\_schemes\_agency\_resource\_version\_categories\_id  
*Get category schemes agency resource version categories (id)*

---

**Description**

This function returns the content from /v1.0/categoryschemes/{agencyID}/{resourceID}/{version}/categories

**Usage**

```
get_structuralresources_category_schemes_agency_resource_version_categories_id(  
  agencyid,  
  resourceid,  
  version,  
  categoryid  
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
version	(string): Specific version of the resource.
categoryid	(string): category identifier.

### Examples

```
get_structuralresources_category_schemes_agency_resource_version_categories_id(  
    "ISTAC",  
    "TEMAS_CANARIAS",  
    "01.000",  
    "060"  
)  
get_structuralresources_category_schemes_agency_resource_version_categories_id(  
    "ISTAC",  
    "TEMAS_CANARIAS",  
    "01.000",  
    "060.060_010.060_010_010"  
)
```

---

```
get_structuralresources_codelists  
    Get codelists
```

---

### Description

This function allows to obtain the list of classifications.

### Usage

```
get_structuralresources_codelists(  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

### Examples

```
get_structuralresources_codelists()
```

---

get\_structuralresources\_codelists\_agency  
*Get codelists agency*

---

### Description

This function allows obtaining the list of all the classifications maintained by a certain organization.

### Usage

```
get_structuralresources_codelists_agency(  
    agencyid,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

agencyid	(string): Agency identificator.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

### Examples

```
get_structuralresources_codelists_agency("ISTAC")  
get_structuralresources_codelists_agency("ESTAT")
```

---

get\_structuralresources\_codelists\_agency\_resource  
*Get codelists agency resource*

---

### Description

This function allows to obtain all the versions of a classification with a certain identifier and that is also kept by a certain organization.

### Usage

```
get_structuralresources_codelists_agency_resource(  
    agencyid,  
    resourceid,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

**Arguments**

agencyid	(string): Agency identifier.
resourceid	(string): Resource identifier.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_codelists_agency_resource("ISTAC", "CL_AREA_ES")
```

---

```
get_structuralresources_codelists_agency_resource_version
```

*Get codelists agency resource version*

---

**Description**

This function allows you to consult a particular version of a classification.

**Usage**

```
get_structuralresources_codelists_agency_resource_version(  
  agencyid,  
  resourceid,  
  version  
)
```

**Arguments**

agencyid	(string): Agency identifier.
resourceid	(string): Resource identifier.
version	(string): Specific resource version.

**Examples**

```
get_structuralresources_codelists_agency_resource_version(  
  "ISTAC",  
  "CL_AREA_ES",  
  "01.000"  
)
```



---

get\_structuralresources\_codelists\_agency\_resource\_version\_codes

*Get codelists agency resource version codes*


---

## Description

This function allows to consult the codes of a version of a classification. Note that if wildcards are used as ~all or one of the limit, offset, query or orderBy parameters, the list will be automatically paginated.

## Usage

```
get_structuralresources_codelists_agency_resource_version_codes(
    agencyid,
    resourceid,
    version,
    limit = 1000,
    offset = 0,
    query = "",
    orderby = "",
    openness = "",
    order = "",
    fields = "",
    lang = "es",
    as_dataframe = T
)
```

## Arguments

agencyid	(string): Agency identificator.
resourceid	(string): Resource identificator.
version	(string): Specific resource version.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results. orderby (string): Field by which to sort the results.
orderby	(string): Order established for data.
openness	(string): Opening established for viewing.
order	(string): Order established for visualization.
fields	(string): Additional fields that you want to show in the answer.
lang	(string): Language in which you want to get the answer.
as_dataframe	(bool): If True, this function returns a pandas dataframe built from API response.

## Examples

```
get_structuralresources_codelists_agency_resource_version_codes(
    "ISTAC",
    "CL_AREA_ES",
    "01.000"
)
```

---

```
get_structuralresources_codelists_agency_resource_version_codes_codeid
```

*Get codelists agency resource version codes (codeID)*

---

### Description

This function allows to consult a specific code of a version of a classification.

### Usage

```
get_structuralresources_codelists_agency_resource_version_codes_codeid(  
  agencyid,  
  resourceid,  
  version,  
  codeid  
)
```

### Arguments

agencyid	(string): Agency identifier.
resourceid	(string): Resource identifier.
version	(string): Specific resource version.
codeid	(string): Code identifier.

### Examples

```
get_structuralresources_codelists_agency_resource_version_codes_codeid(  
  "ISTAC", "CL_AREA_ES", "01.000", "ES706A01")
```

---

```
get_structuralresources_codelists_agency_resource_version_recode
```

*Get codelists agency resource version recode*

---

### Description

This function allows to see changes between two classifications.

### Usage

```
get_structuralresources_codelists_agency_resource_version_recode(  
  agencyid,  
  resourceid,  
  version,  
  referenceagencyid,  
  referenceresourceid,  
  referenceversion  
)
```

**Arguments**

agencyid (string): Agency identifier.  
 resourceid (string): Resource identifier.  
 version (string): Specific resource version.  
 referenceagencyid (string): Reference agency identifier.  
 referenceresourceid (string): Reference resource identifier.  
 referenceversion (string): Reference specific resource version.

**Examples**

```

get_structuralresources_codelists_agency_resource_version_recode(
  "ISTAC",
  "CL_AREA_ES",
  "01.001",
  "ISTAC",
  "CL_AREA_ES_RELATIVA",
  "~latest"
)

```

---

get\_structuralresources\_codelists\_agency\_resource\_version\_restrictions  
*Get codelists agency resource version restrictions*

---

**Description**

This function allows you to consult any restrictions for a specific code of a version of a classification.

**Usage**

```

get_structuralresources_codelists_agency_resource_version_restrictions(
  agencyid,
  resourceid,
  version
)

```

**Arguments**

agencyid (string): Agency identifier.  
 resourceid (string): Resource identifier.  
 version (string): Specific resource version.

**Examples**

```

get_structuralresources_codelists_agency_resource_version_restrictions(
  "ISTAC",
  "CL_AREA_ES",
  "~latest"
)

```

---

get\_structuralresources\_codelist\_families  
*Get codelist families*

---

### Description

This function returns the list of families of classifications

### Usage

```
get_structuralresources_codelist_families(  
    limit = 25,  
    offset = 0,  
    orderby = "",  
    query = ""  
)
```

### Arguments

limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
orderby	(string): Field by which to sort the results.
query	(string): Query to filter the results.

### Examples

```
get_structuralresources_codelist_families()
```

---

get\_structuralresources\_codelist\_families\_id  
*Get codelist families*

---

### Description

This function allows to obtain a family of classifications in particular.

### Usage

```
get_structuralresources_codelist_families_id(id)
```

### Arguments

id	(string): codelist family identificator
----	---

### Examples

```
get_structuralresources_codelist_families_id('CODELIST_ID')
```

---

get\_structuralresources\_concept\_schemes  
*Get concept schemes*

---

### Description

This function returns the content from /v1.0/conceptschemes

### Usage

```
get_structuralresources_concept_schemes(  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

### Examples

```
get_structuralresources_concept_schemes()  
get_structuralresources_concept_schemes(  
    query="ID EQ 2090",  
    orderby="ID ASC"  
)
```

---

get\_structuralresources\_concept\_schemes\_agency  
*Get concept schemes agency*

---

### Description

This function returns the content from /v1.0/conceptschemes/{agencyID}

### Usage

```
get_structuralresources_concept_schemes_agency(  
    agencyid,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_concept_schemes_agency("ISTAC")
get_structuralresources_concept_schemes_agency(
  "ESTAT",
  query="ID EQ 2090",
  orderby="ID ASC"
)
```

---

```
get_structuralresources_concept_schemes_agency_resource
  Get concept schemes agency resource
```

---

**Description**

This function returns the content from /v1.0/conceptschemes/{agencyID}/{resourceID}

**Usage**

```
get_structuralresources_concept_schemes_agency_resource(
  agencyid,
  resourceid,
  limit = 25,
  offset = 0,
  query = "",
  orderby = ""
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_concept_schemes_agency_resource(
  agencyid="ISTAC",
  resourceid="CSM_C00010A_SIE"
)
```

---

```
get_structuralresources_concept_schemes_agency_resource_version
```

*Get concept schemes agency resource version*

---

### Description

This function returns the content from /v1.0/conceptschemes/{agencyID}/{resourceID}/{version}

### Usage

```
get_structuralresources_concept_schemes_agency_resource_version(  
    agencyid,  
    resourceid,  
    version  
)
```

### Arguments

agencyid	(string) Identifier of the agency that publishes.
resourceid	(string) Resource identifier.
version	(string) Specific version of the resource.

### Examples

```
get_structuralresources_concept_schemes_agency_resource_version(  
    agencyid="ISTAC",  
    resourceid="CSM_C00010A_SIE",  
    version="01.000"  
)
```

---

```
get_structuralresources_concept_schemes_agency_resource_version_concepts
```

*Get concept schemes agency resource version concepts*

---

### Description

This function returns the content from /v1.0/conceptschemes/{agencyID}/{resourceID}/{version}/concepts

### Usage

```
get_structuralresources_concept_schemes_agency_resource_version_concepts(  
    agencyid,  
    resourceid,  
    version,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = "",  
    fields = ""  
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
version	(string): Specific version of the resource.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.
fields	(string): Additional fields that you want to show in the answer.

**Examples**

```
get_structuralresources_concept_schemes_agency_resource_version_concepts(
  agencyid="ISTAC",
  resourceid="CSM_C00010A_SIE",
  version="01.000"
)
```

---

```
get_structuralresources_concept_schemes_agency_resource_version_concepts_id
  Get concept schemes agency resource version concepts (id)
```

---

**Description**

This function returns the content from `/v1.0/conceptschemes/{agencyID}/{resourceID}/{version}/concepts/{conceptID}`.

**Usage**

```
get_structuralresources_concept_schemes_agency_resource_version_concepts_id(
  agencyid,
  resourceid,
  version,
  conceptid
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
version	(string): Specific version of the resource.
conceptid	(string): Concept identifier.

**Examples**

```
get_structuralresources_concept_schemes_agency_resource_version_concepts_id(
  agencyid="ISTAC",
  resourceid="CSM_C00010A_SIE",
  version="01.000",
  conceptid="ELECTORES"
)
```



---

`get_structuralresources_concept_types`*Get concept types*

---

**Description**

This function returns the content from `/v1.0/conceptTypes`

**Usage**

```
get_structuralresources_concept_types()
```

**Examples**

```
get_structuralresources_concept_types()
```

---

`get_structuralresources_content_constraints`*Get content constraints*

---

**Description**

This function returns the content from `/v1.0/contentConstraints`

**Usage**

```
get_structuralresources_content_constraints(  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

**Arguments**

<code>limit</code>	(int): Results limit. By default <code>limit = 25</code> .
<code>offset</code>	(int): Displacement. Result from which it is returned. By default <code>offset = 0</code> .
<code>query</code>	(string): Query to filter the results.
<code>orderby</code>	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_content_constraints()  
get_structuralresources_content_constraints(  
    query="ID EQ 2090",  
    orderby="ID ASC"  
)
```

---

`get_structuralresources_content_constraints_agency`*Get content constraints agency*

---

### Description

This function returns the content from `/v1.0/contentConstraints/{agencyID}`

### Usage

```
get_structuralresources_content_constraints_agency(  
    agencyid,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

<code>agencyid</code>	(string): Identifier of the agency that publishes.
<code>limit</code>	(int): Results limit. By default <code>limit = 25</code> .
<code>offset</code>	(int): Displacement. Result from which it is returned. By default <code>offset = 0</code> .
<code>query</code>	(string): Query to filter the results.
<code>orderby</code>	(string): Field by which to sort the results.

### Examples

```
get_structuralresources_content_constraints_agency("ISTAC")
```

---

`get_structuralresources_content_constraints_agency_resource`*Get content constraints agency resource*

---

### Description

This function returns the content from `/v1.0/contentConstraints/{agencyID}/{resourceID}`

### Usage

```
get_structuralresources_content_constraints_agency_resource(  
    agencyid,  
    resourceid,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_content_constraints_agency_resource(
  "ISTAC",
  "CSM_C00010A_SIE"
)
```

---

```
get_structuralresources_content_constraints_agency_resource_version
  Get content constraints agency resource version
```

---

**Description**

This function returns the content from /v1.0/contentConstraints/{agencyID}/{resourceID}/{version}

**Usage**

```
get_structuralresources_content_constraints_agency_resource_version(
  agencyid,
  resourceid,
  version
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
version	(string): Specific version of the resource.

**Examples**

```
get_structuralresources_content_constraints_agency_resource_version(
  "ISTAC",
  "CSM_C00010A_SIE",
  "01.000"
)
```

---

```
get_structuralresources_content_constraints_agency_resource_version_regions
```

*Get content constraints agency resource version regions*

---

### Description

This function returns the content from `/v1.0/contentConstraints/{agencyID}/{resourceID}/{version}/regions`

### Usage

```
get_structuralresources_content_constraints_agency_resource_version_regions(  
    regioncode,  
    agencyid,  
    resourceid,  
    version  
)
```

### Arguments

regioncode	(string) Region code.
agencyid	(string) Identifier of the agency that publishes.
resourceid	(string) Resource identifier.
version	(string) Specific version of the resource.

### Examples

```
get_structuralresources_content_constraints_agency_resource_version_regions(  
    "0001",  
    "ISTAC",  
    "CSM_C00010A_SIE",  
    "01.000"  
)
```

---

```
get_structuralresources_data_structures
```

*Get data structures*

---

### Description

This function returns the content from `/v1.0/datastructures`

### Usage

```
get_structuralresources_data_structures(  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

**Arguments**

limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_data_structures()  
get_structuralresources_data_structures(  
  query="ID EQ 2090",  
  orderby="ID ASC"  
)
```

---

```
get_structuralresources_data_structures_agency  
  Get data structures agency
```

---

**Description**

This function returns the content from /v1.0/datastructures/{agencyID}

**Usage**

```
get_structuralresources_data_structures_agency(  
  agencyid,  
  limit = 25,  
  offset = 0,  
  query = "",  
  orderby = ""  
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_data_structures_agency("ISTAC")
```

---

```
get_structuralresources_data_structures_agency_resource
```

*Get data structures agency resource*

---

### Description

This function returns the content from `/v1.0/datastructures/{agencyID}/{resourceID}`

### Usage

```
get_structuralresources_data_structures_agency_resource(  
    agencyid,  
    resourceid,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
limit	(int): Results limit. By default <code>limit = 25</code> .
offset	(int): Displacement. Result from which it is returned. By default <code>offset = 0</code> .
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

### Examples

```
get_structuralresources_data_structures_agency_resource(  
    "ISTAC",  
    "DSD_C00010A_00001"  
)
```

---

```
get_structuralresources_data_structures_agency_resource_version
```

*Get data structures agency resource version*

---

### Description

This function returns the content from `/v1.0/datastructures/{agencyID}/{resourceID}/{version}`

### Usage

```
get_structuralresources_data_structures_agency_resource_version(  
    agencyid,  
    resourceid,  
    version  
)
```

**Arguments**

agencyid	(string): Identifier of the agency that publishes.
resourceid	(string): Resource identifier.
version	(string): Specific version of the resource.

**Examples**

```
get_structuralresources_data_structures_agency_resource_version(
  "ISTAC",
  "DSD_C00010A_00001",
  "01.001"
)
```

---

```
get_structuralresources_geoinfo
    Get geoinfo
```

---

**Description**

This function returns data from `/v1.0/variables/{variableID}/variableelements/{resourceID}/geoinfo`

**Usage**

```
get_structuralresources_geoinfo(
  variableid,
  resourceid,
  fields = "",
  limit = 25,
  offset = 0,
  query = "",
  orderby = ""
)
```

**Arguments**

variableid	(string): Variable identifier.
resourceid	(string): Resource identifier.
fields	(string): Additional fields that you want to show in the answer.
limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

**Examples**

```
get_structuralresources_geoinfo("VR_TERRITORIO", "MUN_ICOD_VINOS")
```

---

get\_structuralresources\_variableelements  
*Get variableelements*

---

### Description

This function returns data from /v1.0/variables/{variableID}/variableelements

### Usage

```
get_structuralresources_variableelements(  
    variableid,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

variableid	(string) Variable identificator.
limit	(int) Results limit. By default limit = 25.
offset	(int) Displacement. Result from which it is returned. By default offset = 0.
query	(string) Query to filter the results.
orderby	(string) Field by which to sort the results.

### Examples

```
get_structuralresources_variableelements("VR_SEX0")
```

---

get\_structuralresources\_variableelements\_resource  
*Get variableelements resource*

---

### Description

This function returns data from /v1.0/variables/{variableID}/variableelements/{resourceID}

### Usage

```
get_structuralresources_variableelements_resource(variableid, resourceid)
```

### Arguments

variableid	(string): Resource identificator.
resourceid	(string): Variable identificator.

### Examples

```
get_structuralresources_variableelements_resource("VR_SEX0", "FEMALE")
```



---

get\_structuralresources\_variables  
*Get variables*

---

### Description

This function returns data from /v1.0/variables

### Usage

```
get_structuralresources_variables(  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

### Examples

```
get_structuralresources_variables()
```

---

get\_structuralresources\_variables\_id  
*Get variables (id)*

---

### Description

This function returns data from /v1.0/variables/{id}

### Usage

```
get_structuralresources_variables_id(id)
```

### Arguments

id	(string): Variable identifier.
----	--------------------------------

### Examples

```
get_structuralresources_variables_id("VR_SEX0")
```

---

get\_structuralresources\_variable\_families  
*Get variable families*

---

### Description

This function returns data from /v1.0/variablefamilies

### Usage

```
get_structuralresources_variable_families(  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

limit	(int): Results limit. By default limit = 25.
offset	(int): Displacement. Result from which it is returned. By default offset = 0.
query	(string): Query to filter the results.
orderby	(string): Field by which to sort the results.

### Examples

```
get_structuralresources_variable_families()
```

---

get\_structuralresources\_variable\_families\_id  
*Get variable families (id)*

---

### Description

This function returns data from /v1.0/variablefamilies/{id}

### Usage

```
get_structuralresources_variable_families_id(id)
```

### Arguments

id	(string): Variable family identifier.
----	---------------------------------------

### Examples

```
get_structuralresources_variable_families_id("VRF_DEMOGRAFICAS")
```

---

```
get_structuralresources_variable_families_id_variables
```

*Get variable families (id) variables*

---

### Description

This function returns data from `/v1.0/variablefamilies/{id}/variables`

### Usage

```
get_structuralresources_variable_families_id_variables(  
    id,  
    limit = 25,  
    offset = 0,  
    query = "",  
    orderby = ""  
)
```

### Arguments

<code>id</code>	(string): Variable family identifier.
<code>limit</code>	(int): Results limit. By default <code>limit = 25</code> .
<code>offset</code>	(int): Displacement. Result from which it is returned. By default <code>offset = 0</code> .
<code>query</code>	(string): Query to filter the results.
<code>orderby</code>	(string): Field by which to sort the results.

### Examples

```
get_structuralresources_variable_families_id_variables("VRF_DEMOGRAFICAS")
```

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