

# Package ‘istacr’

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**Maintainer** Elisa Jorge <ejorgon@gobiernodecanarias.org>

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

**License** GPL (>= 3)

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**Author** Alberto Gonzalez [cph],  
Elisa Jorge [aut, cre]

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---

<code>get_indicators</code>	<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("IPI_BASE_2021")  
get_indicators_code("IPI")
```

---

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

---

### Description

This function returns complete data (for all spacetime) of the indicator. On the other hand, metadata 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("IPC")
```

---

```
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

`indicatorsystemcode` (string): Indicator system code

`indicatorinstancecode` (string): Indicator instance 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`.

## 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="E30050A_000007",
    version="~latest",
    dim="TIME_PERIOD:2025-M01:MEDIDAS:IPI_BASE_2021:TERRITORIO:ES70")

```

---

```

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**

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_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/categoryschemes/{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/categoryschemes/{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/categoryschemes/{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/categorieschemes/{agencyID}/{resourceID}/{version}/categories/{categoryID}`

### **Usage**

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

### **Arguments**

<code>agencyid</code>	(string): Identifier of the agency that publishes.
<code>resourceid</code>	(string): Resource identifier.
<code>version</code>	(string): Specific version of the resource.
<code>categoryid</code>	(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 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("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 identifier.
resourceid	(string): Resource identifier.
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 identificator.
resourceid	(string): Resource identificator.
version	(string): Specific resource version.
codeid	(string): Code identificator.

**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/concept_schemes`

**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/concept\_schemes/{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/concept_schemes/{agencyID}/{resourceID}`

**Usage**

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

**Arguments**

<code>agencyid</code>	(string): Identifier of the agency that publishes.
<code>resourceid</code>	(string): Resource 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_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/concept_schemes/{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/concept_schemes/{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/concept_schemes/{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**

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()  
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**

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_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/{n`

**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**

<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_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 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_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 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_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 identifier.
resourceid	(string): Variable identifier.

**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 identificator.

**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**

`id` (string): Variable family 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_variable_families_id_variables("VRF_DEMOGRAFICAS")
```

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