

# Package ‘previsionio’

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**Title** 'Prevision.io' R SDK

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**Description** For working with the 'Prevision.io' AI model management platform's API <<https://prevision.io/>>.

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---

create_connector	<i>Create a new connector of a supported type (among: "SQL", "FTP", "SFTP", "S3", "GCP"). If check_if_exist is enabled, the function will check if a connector with the same name already exists. If yes, it will return a message and the information of the existing connector instead of creating a new one.</i>
------------------	---

---

### Description

Create a new connector of a supported type (among: "SQL", "FTP", "SFTP", "S3", "GCP"). If check\_if\_exist is enabled, the function will check if a connector with the same name already exists. If yes, it will return a message and the information of the existing connector instead of creating a new one.

### Usage

```
create_connector(  
  project_id,  
  type,  
  name,  
  host,  
  port,  
  username,  
  password,  
  google_credentials = NULL,  
  check_if_exist = FALSE  
)
```

### Arguments

project_id	id of the project, can be obtained with get_projects().
type	connector type.
name	connector name.
host	connector host.
port	connector port.
username	connector username.
password	connector password.
google_credentials	google credentials JSON (for GCP only).
check_if_exist	boolean (FALSE by default). If TRUE, makes extra checks to see if a connector with the same name is already existing.

### Value

list - parsed content of the connector.

---

create\_contact\_point *Create a new contact point of a supported type (among: "email", "slack").*

---

**Description**

Create a new contact point of a supported type (among: "email", "slack").

**Usage**

```
create_contact_point(  
  project_id,  
  type,  
  name,  
  addresses = NULL,  
  webhook_url = NULL  
)
```

**Arguments**

project_id	id of the project, can be obtained with get_projects().
type	contact point type among "email" or "slack".
name	contact point name.
addresses	contact point addresses.
webhook_url	contact point webhook_url.

**Value**

list - parsed content of the contact point.

---

create\_dataframe\_from\_dataset  
*Create a dataframe from a dataset\_id.*

---

**Description**

Create a dataframe from a dataset\_id.

**Usage**

```
create_dataframe_from_dataset(dataset_id)
```

**Arguments**

dataset_id	dataset id.
------------	-------------

**Value**

data.frame - a R dataframe matching the dataset.

---

create\_dataset\_embedding

*Create a dataset embedding from a dataset\_id.*

---

**Description**

Create a dataset embedding from a dataset\_id.

**Usage**

```
create_dataset_embedding(dataset_id)
```

**Arguments**

dataset\_id      dataset id.

**Value**

integer - 200 on success.

---

create\_dataset\_from\_dataframe

*Upload dataset from data frame.*

---

**Description**

Upload dataset from data frame.

**Usage**

```
create_dataset_from_dataframe(project_id, dataset_name, dataframe, zip = FALSE)
```

**Arguments**

project\_id      id of the project, can be obtained with get\_projects().  
dataset\_name    given name of the dataset on the platform.  
dataframe      data.frame to upload.  
zip             is the temp file zipped before sending it to Prevision.io (default = FALSE).

**Value**

list - parsed content of the dataset.

---

`create_dataset_from_datasource`*Create a dataset from an existing datasource.*

---

**Description**

Create a dataset from an existing datasource.

**Usage**

```
create_dataset_from_datasource(project_id, dataset_name, datasource_id)
```

**Arguments**

`project_id` id of the project, can be obtained with `get_projects()`.  
`dataset_name` given name of the dataset on the platform.  
`datasource_id` datasource id.

**Value**

list - parsed content of the dataset.

---

`create_dataset_from_file`*Upload dataset from file name.*

---

**Description**

Upload dataset from file name.

**Usage**

```
create_dataset_from_file(  
    project_id,  
    dataset_name,  
    file,  
    separator = ",",  
    decimal = "."  
)
```

**Arguments**

project_id	id of the project, can be obtained with get_projects().
dataset_name	given name of the dataset on the platform.
file	path to the dataset.
separator	column separator in the file (default: ",")
decimal	decimal separator in the file (default: ".")

**Value**

list - parsed content of the dataset.

---

create_datasource	<i>Create a new datasource. If check_if_exist is enabled, the function will check if a datasource with the same name already exists. If yes, it will return a message and the information of the existing datasource instead of creating a new one.</i>
-------------------	---

---

**Description**

Create a new datasource. If check\_if\_exist is enabled, the function will check if a datasource with the same name already exists. If yes, it will return a message and the information of the existing datasource instead of creating a new one.

**Usage**

```
create_datasource(
  project_id,
  connector_id,
  name,
  path = "",
  database = "",
  table = "",
  bucket = "",
  request = "",
  check_if_exist = FALSE
)
```

**Arguments**

project_id	id of the project, can be obtained with get_projects().
connector_id	connector_id linked to the datasource.
name	datasource name.
path	datasource path (for SFTP & FTP connector).
database	datasource database (for SQL connector).



table	datasource table (for SQL connector).
bucket	datasource bucket (for S3 connector).
request	datasource request (for SQLconnector).
check_if_exist	boolean (FALSE by default). If TRUE, makes extra checks to see if a datasource with the same name is already existing.

**Value**

list - parsed content of the datasource.

---

create\_deployment\_api\_key  
*Create a new API key for a deployed model.*

---

**Description**

Create a new API key for a deployed model.

**Usage**

create\_deployment\_api\_key(deployment\_id)

**Arguments**

deployment\_id id of the deployment to create an API key on, can be obtained with get\_deployments().

**Value**

list - API key information.

---

create\_deployment\_model  
*Create a new deployment for a model.*

---

**Description**

Create a new deployment for a model.

**Usage**

```

create_deployment_model(
  project_id,
  name,
  experiment_id,
  main_model_experiment_version_id,
  challenger_model_experiment_version_id = NULL,
  access_type = c("fine_grained"),
  type_violation_policy = c("best_effort"),
  description = NULL,
  main_model_id,
  challenger_model_id = NULL
)

```

**Arguments**

`project_id` id of the project, can be obtained with `get_projects()`.

`name` name of the deployment.

`experiment_id` id of the experiment to deploy, can be obtained with `get_experiment_id_from_name()`.

`main_model_experiment_version_id` id of the experiment\_version to deploy, can be obtained with `get_experiment_version_id()`.

`challenger_model_experiment_version_id` id of the challenger experiment\_version to deploy, can be obtained with `get_experiment_version_id()`.

`access_type` type of access of the deployment among "fine\_grained" (project defined, default), "private" (instance) or "public" (everyone).

`type_violation_policy` handling of type violation when making predictions among "best\_effort" (default) or "strict" (stops the prediction if there is a type violation).

`description` description of the deployment.

`main_model_id` id of the model to deploy

`challenger_model_id` id of the challenger model to deploy

**Value**

list - parsed content of the deployment.

---

create\_deployment\_predictions

*Create predictions on a deployed model using a dataset.*

---

**Description**

Create predictions on a deployed model using a dataset.

**Usage**

```
create_deployment_predictions(deployment_id, dataset_id)
```

**Arguments**

deployment\_id id of the deployment, can be obtained with get\_deployments().  
dataset\_id id of the dataset to predict, can be obtained with get\_dataset\_id\_from\_name().

**Value**

integer - 200 on success.

---

create_experiment	<i>Create a new experiment. If check_if_exist is enabled, the function will check if an experiment with the same name already exists. If yes, it will return a message and the information of the existing experiment instead of creating a new one.</i>
-------------------	--

---

**Description**

Create a new experiment. If check\_if\_exist is enabled, the function will check if an experiment with the same name already exists. If yes, it will return a message and the information of the existing experiment instead of creating a new one.

**Usage**

```
create_experiment(  
    project_id,  
    name,  
    provider,  
    data_type,  
    training_type,  
    check_if_exist = FALSE  
)
```

**Arguments**

project\_id id of the project in which we create the experiment.  
name name of the experiment.  
provider provider of the experiment ("prevision-auto-ml" or "external")  
data\_type type of data ("tabular", "images" or "timeseries").  
training\_type type of the training you want to achieve ("regression", "classification", "multi-classification", "clustering", "object-detection" or "text-similarity").  
check\_if\_exist boolean (FALSE by default). If TRUE, makes extra checks to see if an experiment with the same name is already existing.

**Value**

list - experiment information.

---

create\_experiment\_version

*Create a new version of an existing experiment.*

---

**Description**

Create a new version of an existing experiment.

**Usage**

```
create_experiment_version(  
    experiment_id,  
    dataset_id = NULL,  
    target_column = NULL,  
    holdout_dataset_id = NULL,  
    id_column = NULL,  
    drop_list = NULL,  
    profile = NULL,  
    experiment_description = NULL,  
    metric = NULL,  
    fold_column = NULL,  
    normal_models = NULL,  
    lite_models = NULL,  
    simple_models = NULL,  
    with_blend = NULL,  
    weight_column = NULL,  
    features_engineering_selected_list = NULL,  
    features_selection_count = NULL,  
    features_selection_time = NULL,  
    folder_dataset_id = NULL,  
    filename_column = NULL,  
    ymin = NULL,  
    ymax = NULL,  
    xmin = NULL,  
    xmax = NULL,  
    time_column = NULL,  
    start_dw = NULL,  
    end_dw = NULL,  
    start_fw = NULL,  
    end_fw = NULL,  
    group_list = NULL,  
    apriori_list = NULL,  
    content_column = NULL,
```

```

queries_dataset_id = NULL,
queries_dataset_content_column = NULL,
queries_dataset_id_column = NULL,
queries_dataset_matching_id_description_column = NULL,
top_k = NULL,
lang = NULL,
models_params = NULL,
name = NULL,
onnx_file = NULL,
yaml_file = NULL
)

```

### Arguments

**experiment\_id** id of the experiment that will host the new version.  
**dataset\_id** id of the dataset used for the training phase.  
**target\_column** name of the TARGET column.  
**holdout\_dataset\_id** id of the holdout dataset.  
**id\_column** name of the id column.  
**drop\_list** list of names of features to drop.  
**profile** chosen profil among "quick", "normal", "advanced".  
**experiment\_description** experiment description.  
**metric** name of the metric to optimise.  
**fold\_column** name of the fold column.  
**normal\_models** list of (normal) models to select with full FE & hyperparameters search (among "LR", "RF", "ET", "XGB", "LGB", "NN", "CB").  
**lite\_models** list of (lite) models to select with lite FE & default hyperparameters (among "LR", "RF", "ET", "XGB", "LGB", "NN", "CB", "NBC").  
**simple\_models** list of simple models to select (among "LR", "DT").  
**with\_blend** boolean, do we allow to include blend in the modelisation.  
**weight\_column** name of the weight columns.  
**features\_engineering\_selected\_list** list of feature engineering to select (among "Counter", "Date", "freq", "text\_tfidf", "text\_word2vec", "text\_embedding", "tenc", "poly", "pca", "kmean").  
**features\_selection\_count** number of features to keep after the feature selection process.  
**features\_selection\_time** time budget in minutes of the feature selection process.  
**folder\_dataset\_id** id of the dataset folder (images).  
**filename\_column** name of the file name path (images).

<code>ymin</code>	name of the column matching the lower y value of the image (object detection).
<code>ymax</code>	name of the column matching the higher y value of the image (object detection).
<code>xmin</code>	name of the column matching the lower x value of the image (object detection).
<code>xmax</code>	name of the column matching the higher x value of the image (object detection).
<code>time_column</code>	name of column containing the timestamp (time series).
<code>start_dw</code>	value of the start of derivative window (time series), should be a strict negative integer.
<code>end_dw</code>	value of the end of derivative window (time series), should be a negative integer greater than <code>start_dw</code> .
<code>start_fw</code>	value of the start of forecast window (time series), should be a strict positive integer.
<code>end_fw</code>	value of the end of forecast window (time series), should be a strict positive integer greater than <code>start_fw</code> .
<code>group_list</code>	list of name of feature that describes groups (time series).
<code>apriori_list</code>	list of name of feature that are a priori (time series).
<code>content_column</code>	content column name (text-similarity).
<code>queries_dataset_id</code>	id of the dataset containing queries (text-similarity).
<code>queries_dataset_content_column</code>	name of the column containing queries in the query dataset (text-similarity).
<code>queries_dataset_id_column</code>	name of the ID column in the query dataset (text-similarity).
<code>queries_dataset_matching_id_description_column</code>	name of the column matching id in the description dataset (text-similarity).
<code>top_k</code>	top k individual to find (text-similarity).
<code>lang</code>	lang of the text (text-similarity).
<code>models_params</code>	parameters of the model (text-similarity).
<code>name</code>	name of the external model (external model).
<code>onnx_file</code>	path to the onnx file (external model).
<code>yaml_file</code>	path to the yaml file (external model).

**Value**

list - experiment information.

---

create_export	<i>Export data using an existing exporter and the resource to export</i>
---------------	--

---

**Description**

Export data using an existing exporter and the resource to export

**Usage**

```
create_export(exporter_id, type, dataset_id = NULL, prediction_id = NULL)
```

**Arguments**

exporter_id	id of the exporter, can be obtained with <code>get_exporters()</code> .
type	type of data to export among <code>"dataset"</code> , <code>"validation-prediction"</code> or <code>"deployment-prediction"</code>
dataset_id	id of the dataset to export (only for type == <code>"dataset"</code> )
prediction_id	id of the prediction to export (only for type == <code>"validation_prediction"</code> or type == <code>"deployment-prediction"</code> )

**Value**

list - parsed content of the export.

---

create_exporter	<i>Create a new exporter</i>
-----------------	------------------------------

---

**Description**

Create a new exporter

**Usage**

```
create_exporter(
  project_id,
  connector_id,
  name,
  description = "",
  filepath = "",
  file_write_mode = "timestamp",
  database = "",
  table = "",
  database_write_mode = "append",
  bucket = ""
)
```

**Arguments**

project_id	id of the project, can be obtained with get_projects().
connector_id	connector_id linked to the exporter.
name	exporter name.
description	description of the exporter.
filepath	exporter path (for SFTP & FTP connector).
file_write_mode	writing type when exporting a file (for SFT & FTP connector, among \"timestamp\", \"safe\" or \"replace\")
database	exporter database (for SQL connector).
table	exporter table (for SQL connector).
database_write_mode	writing type when exporting data within a database (for SQL connector, among \"append\" or \"replace\").
bucket	exporter bucket (for S3 connector).

**Value**

list - parsed content of the exporter.

---

create_folder	<i>Upload folder from a local file.</i>
---------------	---

---

**Description**

Upload folder from a local file.

**Usage**

```
create_folder(project_id, folder_name, file)
```

**Arguments**

project_id	id of the project, can be obtained with get_projects().
folder_name	given name of the folder on the platform.
file	path to the folder.

**Value**

list - parsed content of the folder.



---

```
create_pipeline_trigger
```

*Trigger an existing pipeline run.*

---

**Description**

Trigger an existing pipeline run.

**Usage**

```
create_pipeline_trigger(pipeline_id)
```

**Arguments**

pipeline\_id      id of the pipeline run to trigger, can be obtained with get\_pipelines().

**Value**

integer - 200 on success.

---

```
create_prediction
```

*Create a prediction on a specified experiment\_version*

---

**Description**

Create a prediction on a specified experiment\_version

**Usage**

```
create_prediction(  
  experiment_version_id,  
  dataset_id = NULL,  
  folder_dataset_id = NULL,  
  confidence = FALSE,  
  best_single = FALSE,  
  model_id = NULL,  
  queries_dataset_id = NULL,  
  queries_dataset_content_column = NULL,  
  queries_dataset_id_column = NULL,  
  queries_dataset_matching_id_description_column = NULL,  
  top_k = NULL  
)
```

**Arguments**

experiment_version_id	id of the experiment_version, can be obtained with get_experiment_version_id().
dataset_id	id of the dataset to start the prediction on, can be obtained with get_datasets().
folder_dataset_id	id of the folder dataset to start prediction on, can be obtained with get_folders(). Only usefull for images use cases.
confidence	boolean. If enable, confidence interval will be added to predictions.
best_single	boolean. If enable, best single model (non blend) will be used for making predictions other wise, best model will be used unless if model_id is fed.
model_id	id of the model to start the prediction on. If provided, it will overwrite the "best single" params.
queries_dataset_id	id of the dataset containing queries (text-similarity).
queries_dataset_content_column	name of the content column in the queries dataset (text-similarity).
queries_dataset_id_column	name of the id column in the queries dataset (text-similarity).
queries_dataset_matching_id_description_column	name of the column matching the id (text-similarity).
top_k	number of class to retrieve (text-similarity).

**Value**

list - parsed prediction information.

---

create_project	<i>Create a new project. If check_if_exist is enabled, the function will check if a project with the same name already exists. If yes, it will return a message and the information of the existing project instead of creating a new one.</i>
----------------	--

---

**Description**

Create a new project. If check\_if\_exist is enabled, the function will check if a project with the same name already exists. If yes, it will return a message and the information of the existing project instead of creating a new one.

**Usage**

```
create_project(
    name,
    description = NULL,
    color = "#a748f5",
    check_if_exist = FALSE
)
```

**Arguments**

name	name of the project.
description	description of the project.
color	color of the project among <code>\#4876be\</code> , <code>\#4ab6eb\</code> , <code>\#49cf7d\</code> , <code>\#dc8218\</code> , <code>\#ecba35\</code> , <code>\#f45b69\</code> , <code>\#a748f5\</code> , <code>\#b34ca2\</code> or <code>\#2fe6d0\</code> ( <code>\#a748f5</code> by default).
check_if_exist	boolean (FALSE by default). If TRUE, makes extra checks to see if a project with the same name is already existing.

**Value**

list - information of the created project.

---

create\_project\_user    *Add user in and existing project.*

---

**Description**

Add user in and existing project.

**Usage**

```
create_project_user(project_id, user_mail, user_role)
```

**Arguments**

project_id	id of the project, can be obtained with <code>get_projects()</code> .
user_mail	email of the user to be add.
user_role	role to grand to the user among "admin", "contributor", "viewer" or "end_user".

**Value**

list - information of project's users.

---

delete\_connector      *Delete an existing connector.*

---

**Description**

Delete an existing connector.

**Usage**

```
delete_connector(connector_id)
```

**Arguments**

connector\_id      id of the connector to be deleted, can be obtained with get\_connectors().

**Value**

integer - 200 on success.

---

delete\_contact\_point      *Delete an existing contact\_point*

---

**Description**

Delete an existing contact\_point

**Usage**

```
delete_contact_point(contact_point_id)
```

**Arguments**

contact\_point\_id  
id of the contact point to be deleted, can be obtained with get\_contact\_points().

**Value**

integer - 204 on success.

---

delete_dataset	<i>Delete an existing dataset.</i>
----------------	------------------------------------

---

**Description**

Delete an existing dataset.

**Usage**

```
delete_dataset(dataset_id)
```

**Arguments**

dataset\_id      id of the dataset, can be obtained with get\_datasets().

**Value**

integer - 204 on success.

---

delete_datasource	<i>Delete a datasource</i>
-------------------	----------------------------

---

**Description**

Delete a datasource

**Usage**

```
delete_datasource(datasource_id)
```

**Arguments**

datasource\_id    id of the datasource to be deleted, can be obtained with get\_datasources().

**Value**

integer - 200 on success.

---

delete\_deployment      *Delete an existing deployment.*

---

**Description**

Delete an existing deployment.

**Usage**

```
delete_deployment(deployment_id)
```

**Arguments**

deployment\_id    id of the deployment, can be obtained with get\_deployments().

**Value**

integer - 204 on success.

---

delete\_experiment      *Delete a experiment on the platform.*

---

**Description**

Delete a experiment on the platform.

**Usage**

```
delete_experiment(experiment_id)
```

**Arguments**

experiment\_id    id of the experiment, can be obtained with get\_experiments().

**Value**

integer - 204 on success.

---

`delete_exporter`      *Delete an exporter*

---

**Description**

Delete an exporter

**Usage**

`delete_exporter(exporter_id)`

**Arguments**

`exporter_id`      id of the exporter to be deleted, can be obtained with `get_exporters()`.

**Value**

integer - 204 on success.

---

`delete_folder`      *Delete an existing folder.*

---

**Description**

Delete an existing folder.

**Usage**

`delete_folder(folder_id)`

**Arguments**

`folder_id`      id of the folder to be deleted.

**Value**

integer - 200 on success.

---

delete_pipeline	<i>Delete an existing pipeline</i>
-----------------	------------------------------------

---

**Description**

Delete an existing pipeline

**Usage**

```
delete_pipeline(pipeline_id, type)
```

**Arguments**

pipeline_id	id of the pipeline to be retrieved, can be obtained with get_pipelines().
type	type of the pipeline to be retrieved among "component", "template", "run".

**Value**

integer - 204 on success.

---

delete_prediction	<i>Delete a prediction.</i>
-------------------	-----------------------------

---

**Description**

Delete a prediction.

**Usage**

```
delete_prediction(prediction_id)
```

**Arguments**

prediction_id	id of the prediction to be deleted, can be obtained with get_experiment_version_predictions().
---------------	--

**Value**

integer - 204 on success.  
list of predictions of experiment\_id.



---

delete\_project      *Delete an existing project.*

---

**Description**

Delete an existing project.

**Usage**

```
delete_project(project_id)
```

**Arguments**

project\_id      id of the project, can be obtained with get\_projects().

**Value**

integer - 204 on success.

---

delete\_project\_user      *Delete user in and existing project.*

---

**Description**

Delete user in and existing project.

**Usage**

```
delete_project_user(project_id, user_id)
```

**Arguments**

project\_id      id of the project, can be obtained with get\_projects().

user\_id      user\_id of the user to be delete, can be obtained with get\_project\_users().

**Value**

integer - 200 on success.

---

<code>get_best_model_id</code>	<i>Get the model_id that provide the best predictive performance given experiment_version_id. If include_blend is false, it will return the model_id from the best "non blended" model.</i>
--------------------------------	---

---

**Description**

Get the model\_id that provide the best predictive performance given experiment\_version\_id. If include\_blend is false, it will return the model\_id from the best "non blended" model.

**Usage**

```
get_best_model_id(experiment_version_id, include_blend = TRUE)
```

**Arguments**

<code>experiment_version_id</code>	id of the experiment_version, can be obtained with <code>get_experiment_version_id()</code> .
<code>include_blend</code>	boolean, indicating if you want to retrieve the best model among blended models too.

**Value**

character - model\_id.

---

<code>get_connectors</code>	<i>Get information of all connectors available for a given project_id.</i>
-----------------------------	--

---

**Description**

Get information of all connectors available for a given project\_id.

**Usage**

```
get_connectors(project_id)
```

**Arguments**

<code>project_id</code>	id of the project, can be obtained with <code>get_projects()</code> .
-------------------------	---

**Value**

list - parsed content of all connectors for the supplied project\_id.

---

`get_connector_id_from_name`

*Get a connector\_id from a connector\_name for a given project\_id. If duplicated name, the first connector\_id that match it is retrieved.*

---

**Description**

Get a connector\_id from a connector\_name for a given project\_id. If duplicated name, the first connector\_id that match it is retrieved.

**Usage**

```
get_connector_id_from_name(project_id, connector_name)
```

**Arguments**

`project_id` id of the project, can be obtained with `get_projects(project_id)`.  
`connector_name` name of the connector we are searching its id from.

**Value**

character - id of the connector if found.

---

`get_connector_info` *Get information about connector from its id.*

---

**Description**

Get information about connector from its id.

**Usage**

```
get_connector_info(connector_id)
```

**Arguments**

`connector_id` id of the connector to be retrieved, can be obtained with `get_connectors()`.

**Value**

list - parsed content of the connector.

---

`get_contact_points`      *Get information of all contact points available for a given project\_id.*

---

**Description**

Get information of all contact points available for a given `project_id`.

**Usage**

```
get_contact_points(project_id)
```

**Arguments**

`project_id`      id of the project, can be obtained with `get_projects()`.

**Value**

list - parsed content of all contact points for the supplied `project_id`.

---

`get_contact_point_info`  
*Get a contact point information from its contact\_point\_id.*

---

**Description**

Get a contact point information from its `contact_point_id`.

**Usage**

```
get_contact_point_info(contact_point_id)
```

**Arguments**

`contact_point_id`  
id of the contact point, can be obtained with `get_contact_points()`.

**Value**

list - information of the contact point.

---

get\_datasets                      *Get information of all datasets available for a given project\_id.*

---

**Description**

Get information of all datasets available for a given project\_id.

**Usage**

```
get_datasets(project_id)
```

**Arguments**

project\_id            id of the project, can be obtained with get\_projects().

**Value**

list - parsed content of all datasets for the supplied project\_id.

---

get\_dataset\_embedding    *Get a dataset embedding from a dataset\_id.*

---

**Description**

Get a dataset embedding from a dataset\_id.

**Usage**

```
get_dataset_embedding(dataset_id)
```

**Arguments**

dataset\_id            dataset id.

**Value**

integer - 200 on success.

---

get\_dataset\_head      *Show the head of a dataset from its id.*

---

**Description**

Show the head of a dataset from its id.

**Usage**

```
get_dataset_head(dataset_id)
```

**Arguments**

dataset\_id      id of the dataset, can be obtained with get\_datasets().

**Value**

data.frame - head of the dataset.

---

get\_dataset\_id\_from\_name  
*Get a dataset\_id from a dataset\_name. If duplicated name, the first dataset\_id that match it is retrieved.*

---

**Description**

Get a dataset\_id from a dataset\_name. If duplicated name, the first dataset\_id that match it is retrieved.

**Usage**

```
get_dataset_id_from_name(project_id, dataset_name)
```

**Arguments**

project\_id      id of the project, can be obtained with get\_projects().

dataset\_name    name of the dataset we are searching its id from. Can be obtained with get\_datasets().

**Value**

character - id of the dataset if found.

---

*get\_dataset\_info*      *Get a dataset from its id.*

---

**Description**

Get a dataset from its id.

**Usage**

```
get_dataset_info(dataset_id)
```

**Arguments**

`dataset_id`      id of the dataset, can be obtained with `get_datasets()`.

**Value**

list - parsed content of the dataset.

---

*get\_datasources*      *Get information of all data sources available for a given project\_id.*

---

**Description**

Get information of all data sources available for a given `project_id`.

**Usage**

```
get_datasources(project_id)
```

**Arguments**

`project_id`      id of the project, can be obtained with `get_projects()`.

**Value**

list - parsed content of all `data_sources` for the supplied `project_id`.

get\_datasource\_id\_from\_name

*Get a datasource\_id from a datasource\_name If duplicated name, the first datasource\_id that match it is retrieved*

---

### **Description**

Get a datasource\_id from a datasource\_name If duplicated name, the first datasource\_id that match it is retrieved

### **Usage**

```
get_datasource_id_from_name(project_id, datasource_name)
```

### **Arguments**

project\_id      id of the project, can be obtained with get\_projects().

datasource\_name

name of the datasource we are searching its id from. Can be obtained with get\_datasources().

### **Value**

character - id of the datasource if found.

---

get\_datasource\_info      *Get a datasource from its id.*

---

### **Description**

Get a datasource from its id.

### **Usage**

```
get_datasource_info(datasource_id)
```

### **Arguments**

datasource\_id      id of the data\_sources to be retrieved, can be obtained with get\_datasources().

### **Value**

list - parsed content of the data\_sources.



---

get_deployments	<i>Get information of all deployments of a given type available for a given project_id.</i>
-----------------	---

---

**Description**

Get information of all deployments of a given type available for a given project\_id.

**Usage**

```
get_deployments(project_id, type)
```

**Arguments**

project_id	id of the project, can be obtained with get_projects().
type	type of the deployment to retrieve among "model" or "app".

**Value**

list - parsed content of all deployments of the given type for the supplied project\_id.

---

get_deployment_alerts	<i>Get information of all alerts related to a deployment_id.</i>
-----------------------	--

---

**Description**

Get information of all alerts related to a deployment\_id.

**Usage**

```
get_deployment_alerts(deployment_id)
```

**Arguments**

deployment_id	id of the project, can be obtained with get_deployments().
---------------	--

**Value**

list - parsed content of all alerts for the supplied deployment\_id

get\_deployment\_alert\_id\_from\_name

*Get a deployment\_alert\_id from a name and type for a given deployment\_id.*

---

### **Description**

Get a deployment\_alert\_id from a name and type for a given deployment\_id.

### **Usage**

```
get_deployment_alert_id_from_name(deployment_id, name)
```

### **Arguments**

deployment\_id id of the deployment, can be obtained with get\_deployments().  
name name of the deployment\_alert we are searching its id from.

### **Value**

character - id of the deployment\_alert if found.

---

get\_deployment\_alert\_info

*Get information about a deployment\_alert for a given deployed model.*

---

### **Description**

Get information about a deployment\_alert for a given deployed model.

### **Usage**

```
get_deployment_alert_info(deployment_id, deployment_alert_id)
```

### **Arguments**

deployment\_id id of the deployment, can be obtained with get\_deployments().  
deployment\_alert\_id id of the deployment\_alert to be retrieved, can be obtained with get\_deployment\_alerts().

### **Value**

list - parsed content of the deployment\_alert.

---

`get_deployment_api_keys`*Get API keys for a deployed model.*

---

**Description**

Get API keys for a deployed model.

**Usage**

```
get_deployment_api_keys(deployment_id)
```

**Arguments**

`deployment_id` id of the deployment to get API keys, can be obtained with `get_deployments()`.

**Value**

data.frame - API keys available for `deployment_id`.

---

`get_deployment_app_logs`*Get logs from a deployed app.*

---

**Description**

Get logs from a deployed app.

**Usage**

```
get_deployment_app_logs(deployment_id, log_type)
```

**Arguments**

`deployment_id` id of the deployment to get the log, can be obtained with `get_deployments()`.

`log_type` type of logs we want to get among "build", "deploy" or "run".

**Value**

list - logs from deployed apps.

---

get\_deployment\_id\_from\_name

*Get a deployment\_id from a name and type for a given project\_id. If duplicated name, the first deployment\_id that match it is retrieved.*

---

### **Description**

Get a deployment\_id from a name and type for a given project\_id. If duplicated name, the first deployment\_id that match it is retrieved.

### **Usage**

```
get_deployment_id_from_name(project_id, name, type)
```

### **Arguments**

project_id	id of the project, can be obtained with get_projects().
name	name of the deployment we are searching its id from.
type	type of the deployment to be retrieved among "model" or "app".

### **Value**

character - id of the deployment if found.

---

get\_deployment\_info *Get information about a deployment from its id.*

---

### **Description**

Get information about a deployment from its id.

### **Usage**

```
get_deployment_info(deployment_id)
```

### **Arguments**

deployment_id	id of the deployment to be retrieved, can be obtained with get_deployments().
---------------	---

### **Value**

list - parsed content of the deployment.

---

`get_deployment_predictions`

*Get listing of predictions related to a deployment\_id.*

---

**Description**

Get listing of predictions related to a deployment\_id.

**Usage**

`get_deployment_predictions(deployment_id)`

**Arguments**

`deployment_id` id of the deployment, can be obtained with `get_deployments()`.

**Value**

list - predictions available for a deployed model.

---

`get_deployment_prediction_info`

*Get information related to predictions of a prediction\_id.*

---

**Description**

Get information related to predictions of a prediction\_id.

**Usage**

`get_deployment_prediction_info(prediction_id)`

**Arguments**

`prediction_id` id of the prediction returned by `create_deployment_predictions` or that can be obtained with `get_deployment_predictions()`.

**Value**

list - prediction information for a deployed model.

---

`get_deployment_usage` *Get usage (calls, errors and response time) of the last version of a deployed model.*

---

**Description**

Get usage (calls, errors and response time) of the last version of a deployed model.

**Usage**

```
get_deployment_usage(deployment_id, usage_type)
```

**Arguments**

`deployment_id` id of the deployment to get usage, can be obtained with `get_deployments()`.  
`usage_type` type of usage to get, among "calls", "errors", "response\_time".

**Value**

list - plotly object.

---

`get_experiments` *Get information of all experiments available for a given project\_id.*

---

**Description**

Get information of all experiments available for a given `project_id`.

**Usage**

```
get_experiments(project_id)
```

**Arguments**

`project_id` id of the project, can be obtained with `get_projects()`.

**Value**

list - parsed content of all experiments for the supplied `project_id`.

---

get\_experiment\_id\_from\_name

*Get a experiment\_id from a experiment\_name If duplicated name, the first experiment\_id that match it is retrieved.*

---

### **Description**

Get a experiment\_id from a experiment\_name If duplicated name, the first experiment\_id that match it is retrieved.

### **Usage**

```
get_experiment_id_from_name(project_id, experiment_name)
```

### **Arguments**

project\_id      id of the project, can be obtained with get\_projects().

experiment\_name      name of the experiment we are searching its id from. Can be obtained with get\_experiments().

### **Value**

character - id matching the experiment\_name if found.

---

get\_experiment\_info      *Get a experiment from its experiment\_id.*

---

### **Description**

Get a experiment from its experiment\_id.

### **Usage**

```
get_experiment_info(experiment_id)
```

### **Arguments**

experiment\_id      id of the experiment, can be obtained with get\_experiments().

### **Value**

list - parsed content of the experiment.

---

`get_experiment_version_features`*Get features information related to a experiment\_version\_id.*

---

**Description**

Get features information related to a experiment\_version\_id.

**Usage**

```
get_experiment_version_features(experiment_version_id)
```

**Arguments**

`experiment_version_id`

id of the experiment\_version, can be obtained with `get_experiment_version_id()`.

**Value**

list - parsed content of the experiment\_version features information.

---

`get_experiment_version_id`*Get a experiment version id from a experiment\_id and its version number.*

---

**Description**

Get a experiment version id from a experiment\_id and its version number.

**Usage**

```
get_experiment_version_id(experiment_id, version_number = 1)
```

**Arguments**

`experiment_id` id of the experiment, can be obtained with `get_experiments()`.

`version_number` number of the version of the experiment. 1 by default

**Value**

character - experiment version id.



---

`get_experiment_version_info`

*Get a experiment\_version info from its experiment\_version\_id*

---

**Description**

Get a experiment\_version info from its experiment\_version\_id

**Usage**

`get_experiment_version_info(experiment_version_id)`

**Arguments**

`experiment_version_id`

id of the experiment\_version, can be obtained with `get_experiment_version_id()`.

**Value**

list - parsed content of the experiment\_version.

---

`get_experiment_version_models`

*Get a model list related to a experiment\_version\_id.*

---

**Description**

Get a model list related to a experiment\_version\_id.

**Usage**

`get_experiment_version_models(experiment_version_id)`

**Arguments**

`experiment_version_id`

id of the experiment\_version, can be obtained with `get_experiment_version_id()`.

**Value**

list - parsed content of models attached to experiment\_version\_id.

---

`get_experiment_version_predictions`*Get a list of prediction from a experiment\_version\_id.*

---

**Description**

Get a list of prediction from a experiment\_version\_id.

**Usage**

```
get_experiment_version_predictions(  
    experiment_version_id,  
    generating_type = "user"  
)
```

**Arguments**

experiment\_version\_id

id of the experiment\_version, can be obtained with get\_experiment\_version\_id().

generating\_type

can be "user" (= user predictions) or "auto" (= hold out predictions).

**Value**

list - parsed prediction list items.

---

`get_exporters`*Get information of all exporters available for a given project\_id.*

---

**Description**

Get information of all exporters available for a given project\_id.

**Usage**

```
get_exporters(project_id)
```

**Arguments**

project\_id

id of the project, can be obtained with get\_projects().

**Value**

list - parsed content of all exporters for the supplied project\_id.

---

get\_exporter\_exports    *Get all exports done from an exporter\_id*

---

**Description**

Get all exports done from an exporter\_id

**Usage**

```
get_exporter_exports(exporter_id)
```

**Arguments**

exporter\_id    id of the exporter to retrieve information, can be obtained with get\_exporters().

**Value**

list - list of exports of the supplied exporter\_id.

---

get\_exporter\_id\_from\_name

*Get a exporter\_id from a exporter\_name. If duplicated name, the first exporter\_id that match it is retrieved*

---

**Description**

Get a exporter\_id from a exporter\_name. If duplicated name, the first exporter\_id that match it is retrieved

**Usage**

```
get_exporter_id_from_name(project_id, exporter_name)
```

**Arguments**

project\_id    id of the project, can be obtained with get\_projects().

exporter\_name    name of the exporter we are searching its id from. Can be obtained with get\_exporters().

**Value**

character - id of the exporter if found.

---

get\_exporter\_info      *Get an exporter from its id.*

---

**Description**

Get an exporter from its id.

**Usage**

```
get_exporter_info(exporter_id)
```

**Arguments**

exporter\_id      id of the exporter to be retrieved, can be obtained with get\_exporters().

**Value**

list - parsed content of the exporter.

---

get\_features\_infos      *Get information of a given feature related to a experiment\_version\_id.*

---

**Description**

Get information of a given feature related to a experiment\_version\_id.

**Usage**

```
get_features_infos(experiment_version_id, feature_name)
```

**Arguments**

experiment\_version\_id      id of the experiment\_version, can be obtained with get\_experiment\_version\_id().

feature\_name      name of the feature to retrieve information.

**Value**

list - parsed content of the specific feature.

---

<code>get_folder</code>	<i>Get a folder from its id.</i>
-------------------------	----------------------------------

---

**Description**

Get a folder from its id.

**Usage**

```
get_folder(folder_id)
```

**Arguments**

`folder_id`      id of the image folder, can be obtained with `get_folders()`.

**Value**

list - parsed content of the folder.

---

<code>get_folders</code>	<i>Get information of all image folders available for a given project_id.</i>
--------------------------	---

---

**Description**

Get information of all image folders available for a given `project_id`.

**Usage**

```
get_folders(project_id)
```

**Arguments**

`project_id`      id of the project, can be obtained with `get_projects()`.

**Value**

list - parsed content of all folders.

---

`get_folder_id_from_name`

*Get a folder\_id from a folder\_name. If duplicated name, the first folder\_id that match it is retrieved.*

---

**Description**

Get a folder\_id from a folder\_name. If duplicated name, the first folder\_id that match it is retrieved.

**Usage**

```
get_folder_id_from_name(project_id, folder_name)
```

**Arguments**

`project_id` id of the project, can be obtained with `get_projects()`.  
`folder_name` name of the folder we are searching its id from. Can be obtained with `get_folders()`.

**Value**

character - id of the folder if found.

---

`get_model_cv`

*Get the cross validation file from a specific model.*

---

**Description**

Get the cross validation file from a specific model.

**Usage**

```
get_model_cv(model_id)
```

**Arguments**

`model_id` id of the model to get the CV, can be obtained with `get_experiment_version_models()`.

**Value**

data.frame - cross validation data coming from `model_id`.

---

get\_model\_feature\_importance

*Get feature importance corresponding to a model\_id.*

---

**Description**

Get feature importance corresponding to a model\_id.

**Usage**

```
get_model_feature_importance(model_id, mode = "raw")
```

**Arguments**

model_id	id of the model, can be obtained with get_experiment_models().
mode	character indicating the type of feature importance among "raw" (default) or "engineered".

**Value**

data.frame - dataset of the model's feature importance.

---

get\_model\_hyperparameters

*Get hyperparameters corresponding to a model\_id.*

---

**Description**

Get hyperparameters corresponding to a model\_id.

**Usage**

```
get_model_hyperparameters(model_id)
```

**Arguments**

model_id	id of the model, can be obtained with experimentModels(experiment_id).
----------	--

**Value**

list - parsed content of the model's hyperparameters.

---

get_model_infos	<i>Get model information corresponding to a model_id.</i>
-----------------	---

---

**Description**

Get model information corresponding to a model\_id.

**Usage**

```
get_model_infos(model_id)
```

**Arguments**

model\_id          id of the model, can be obtained with get\_experiment\_models().

**Value**

list - parsed content of the model.

---

get_pipelines	<i>Get information of all pipelines of a given type available for a given project_id.</i>
---------------	---

---

**Description**

Get information of all pipelines of a given type available for a given project\_id.

**Usage**

```
get_pipelines(project_id, type)
```

**Arguments**

project\_id        id of the project, can be obtained with get\_projects().

type              type of the pipeline to retrieve among "component", "template", or "run".

**Value**

list - parsed content of all pipelines of the given type for the supplied project\_id.



---

get\_pipeline\_id\_from\_name

*Get a pipeline\_id from a pipeline\_name and type for a given project\_id. If duplicated name, the first pipeline\_id that match it is retrieved.*

---

### **Description**

Get a pipeline\_id from a pipeline\_name and type for a given project\_id. If duplicated name, the first pipeline\_id that match it is retrieved.

### **Usage**

```
get_pipeline_id_from_name(project_id, name, type)
```

### **Arguments**

project_id	id of the project, can be obtained with get_projects().
name	name of the pipeline we are searching its id from.
type	type of the pipeline to be retrieved among "component", "template", "run".

### **Value**

character - id of the connector if found.

---

get\_pipeline\_info      *Get information about a pipeline from its id and its type.*

---

### **Description**

Get information about a pipeline from its id and its type.

### **Usage**

```
get_pipeline_info(pipeline_id, type)
```

### **Arguments**

pipeline_id	id of the pipeline to be retrieved, can be obtained with get_pipelines().
type	type of the pipeline to be retrieved among "component", "template", "run".

### **Value**

list - parsed content of the pipeline.

---

get_prediction	<i>Get a specific prediction from a prediction_id. Wait up until time_out is reached and wait wait_time between each retry.</i>
----------------	---

---

**Description**

Get a specific prediction from a prediction\_id. Wait up until time\_out is reached and wait wait\_time between each retry.

**Usage**

```
get_prediction(prediction_id, prediction_type, time_out = 3600, wait_time = 10)
```

**Arguments**

prediction_id	id of the prediction to be retrieved, can be obtained with get_experiment_version_predictions().
prediction_type	type of prediction among "validation" (not deployed model) and "deployment" (deployed model).
time_out	maximum number of seconds to wait for the prediction. 3 600 by default.
wait_time	number of seconds to wait between each retry. 10 by default.

**Value**

data.frame - predictions coming from prediction\_id.

---

get_prediction_infos	<i>Get a information about a prediction_id.</i>
----------------------	---

---

**Description**

Get a information about a prediction\_id.

**Usage**

```
get_prediction_infos(prediction_id)
```

**Arguments**

prediction_id	id of the prediction to be retrieved, can be obtained with get_experiment_version_predictions().
---------------	--

**Value**

list - parsed prediction information.

---

get_projects	<i>Retrieves all projects.</i>
--------------	--------------------------------

---

**Description**

Retrieves all projects.

**Usage**

```
get_projects()
```

**Value**

list - list of existing projects.

---

get_project_id_from_name
--------------------------

*Get a project\_id from a project\_name If duplicated name, the first project\_id that match it is retrieved.*

---

**Description**

Get a project\_id from a project\_name If duplicated name, the first project\_id that match it is retrieved.

**Usage**

```
get_project_id_from_name(project_name)
```

**Arguments**

project\_name     name of the project we are searching its id from. Can be obtained with get\_projects().

**Value**

character - project\_id of the project\_name if found.

---

get\_project\_info      *Get a project from its project\_id.*

---

**Description**

Get a project from its project\_id.

**Usage**

```
get_project_info(project_id)
```

**Arguments**

project\_id      id of the project, can be obtained with get\_projects().

**Value**

list - information of the project.

---

get\_project\_users      *Get users from a project.*

---

**Description**

Get users from a project.

**Usage**

```
get_project_users(project_id)
```

**Arguments**

project\_id      id of the project, can be obtained with get\_projects().

**Value**

list - information of project's users.

---

 helper\_cv\_classif\_analysis

*Get metrics on a CV file retrieved by Prevision.io for a binary classification use case*

---

### Description

Get metrics on a CV file retrieved by Prevision.io for a binary classification use case

### Usage

```
helper_cv_classif_analysis(actual, predicted, fold, thresh = NULL, step = 1000)
```

### Arguments

actual	target coming from the cross Validation dataframe retrieved by Prevision.io
predicted	prediction coming from the cross Validation dataframe retrieved by Prevision.io
fold	fold number coming from the cross Validation dataframe retrieved by Prevision.io
thresh	threshold to use. If not provided optimal threshold given F1 score will be computed
step	number of iteration done to find optimal thresh (1000 by default = 0.1% resolution per fold)

### Value

data.frame - metrics computed between actual and predicted vectors.

---

 helper\_drift\_analysis *[BETA] Return a data.frame that contains features, a boolean indicating if the feature may have a different distribution between the submitted datasets (if p-value < threshold), their exact p-value and the test used to compute it.*


---

### Description

[BETA] Return a data.frame that contains features, a boolean indicating if the feature may have a different distribution between the submitted datasets (if p-value < threshold), their exact p-value and the test used to compute it.

### Usage

```
helper_drift_analysis(dataset_1, dataset_2, p_value = 0.05, features = NULL)
```

**Arguments**

dataset_1	the first data set
dataset_2	the second data set
p_value	a p-value that will be the decision criteria for deciding if a feature is suspicious 5% by default
features	a vector of features names that should be tested. If NULL, only the intersection of the names() will be kept

**Value**

vector - a vector of suspicious features.

---

helper\_optimal\_prediction

*[BETA] Compute the optimal prediction for each rows in a data frame, for a given model, a list of actionable features and a number of samples for each features to be tested.*

---

**Description**

[BETA] Compute the optimal prediction for each rows in a data frame, for a given model, a list of actionable features and a number of samples for each features to be tested.

**Usage**

```
helper_optimal_prediction(
  project_id,
  experiment_id,
  model_id,
  df,
  actionable_features,
  nb_sample,
  maximize,
  zip = FALSE,
  version = 1
)
```

**Arguments**

project_id	id of the project containing the use case.
experiment_id	id of the experiment to be predicted on.
model_id	id of the model to be predicted on.
df	a data frame to be predicted on.
actionable_features	a list of actionable_features features contained in the names of the data frame.

nb_sample	a vector of number of sample for each actionable_features features.
maximize	a boolean indicating if we maximize or minimize the predicted target.
zip	a boolean indicating if the data frame to predict should be zipped prior sending to the instance.
version	version of the use case we want to make the prediction on.

**Value**

data.frame - optimal vector and the prediction associated with for each rows in the original data frame.

---

helper\_plot\_classif\_analysis

*Plot RECALL, PRECISION & F1 SCORE versus top n predictions for a binary classification use case*

---

**Description**

Plot RECALL, PRECISION & F1 SCORE versus top n predictions for a binary classification use case

**Usage**

```
helper_plot_classif_analysis(actual, predicted, top, compute_every_n = 1)
```

**Arguments**

actual	true value (0 or 1 only)
predicted	prediction vector (probability)
top	top individual to analyse
compute_every_n	compute indicators every n individuals (1 by default)

**Value**

data.frame - metrics computed between actual and predicted vectors.

---

pause\_experiment\_version

*Pause a running experiment\_version on the platform.*

---

### **Description**

Pause a running experiment\_version on the platform.

### **Usage**

```
pause_experiment_version(experiment_version_id)
```

### **Arguments**

experiment\_version\_id

id of the experiment\_version, can be obtained with get\_experiment\_version\_id().

### **Value**

integer - 200 on success.

---

pio\_download

*Download resources according specific parameters.*

---

### **Description**

Download resources according specific parameters.

### **Usage**

```
pio_download(endpoint, tempFile)
```

### **Arguments**

endpoint            end of the url of the API call.

tempFile            temporary file to download.

### **Value**

list - response from the request.



---

pio_init	<i>Initialization of the connection to your instance Prevision.io.</i>
----------	--

---

**Description**

Initialization of the connection to your instance Prevision.io.

**Usage**

```
pio_init(token, url)
```

**Arguments**

token	your master token, can be found on your instance on the "API KEY" page.
url	the url of your instance.

**Value**

list - url and token needed for connecting to the Prevision.io environment.

**Examples**

```
## Not run: pio_init('eyJhbGciOiJIUz', 'https://xxx.prevision.io')
```

---

pio_list_to_df	<i>Convert a list returned from APIs to a dataframe. Only working for consistent list (same naming and number of columns).</i>
----------------	--

---

**Description**

Convert a list returned from APIs to a dataframe. Only working for consistent list (same naming and number of columns).

**Usage**

```
pio_list_to_df(list)
```

**Arguments**

list	named list coming from an API call.
------	-------------------------------------

**Value**

data.frame - cast a consistent list to a data.frame.

---

pio_request	<i>Request the platform. Thanks to an endpoint, the url and the API, you can create request.</i>
-------------	--

---

**Description**

Request the platform. Thanks to an endpoint, the url and the API, you can create request.

**Usage**

```
pio_request(endpoint, method, data = NULL, upload = FALSE)
```

**Arguments**

endpoint	end of the url of the API call.
method	the method needed according the API (Available: POST, GET, DELETE).
data	object to upload when using method POST.
upload	used parameter when uploading dataset (for encoding in API call), don't use it.

**Value**

list - response from the request.

**Examples**

```
## Not run: pio_request(paste0('/jobs/', experiment$jobId), DELETE)
```

---

resume_experiment_version	<i>Resume a paused experiment_version on the platform.</i>
---------------------------	--

---

**Description**

Resume a paused experiment\_version on the platform.

**Usage**

```
resume_experiment_version(experiment_version_id)
```

**Arguments**

experiment_version_id	id of the experiment_version, can be obtained with get_experiment_version_id().
-----------------------	---

**Value**

integer - 200 on success.

---

`stop_experiment_version`*Stop a running or paused experiment\_version on the platform.*

---

**Description**

Stop a running or paused experiment\_version on the platform.

**Usage**

```
stop_experiment_version(experiment_version_id)
```

**Arguments**

`experiment_version_id`

id of the experiment\_version, can be obtained with `get_experiment_version_id()`.

**Value**

integer - 200 on success.

---

`test_connector`*Test an existing connector.*

---

**Description**

Test an existing connector.

**Usage**

```
test_connector(connector_id)
```

**Arguments**

`connector_id` id of the connector to be tested, can be obtained with `get_connectors()`.

**Value**

integer - 200 on success.

---

test\_contact\_point      *Test an existing contact point*

---

**Description**

Test an existing contact point

**Usage**

```
test_contact_point(contact_point_id)
```

**Arguments**

contact\_point\_id  
id of the contact point to be tested, can be obtained with get\_contact\_points().

**Value**

integer - 200 on success.

---

test\_datasource      *Test a datasource*

---

**Description**

Test a datasource

**Usage**

```
test_datasource(datasource_id)
```

**Arguments**

datasource\_id    id of the datasource to be tested, can be obtained with get\_datasources().

**Value**

integer - 200 on success.

---

test\_deployment\_type    *Check if a type of a deployment is supported*

---

**Description**

Check if a type of a deployment is supported

**Usage**

test\_deployment\_type(type)

**Arguments**

type                    type of the deployment among "model" or "app".

**Value**

no return value, called for side effects.

---

test\_pipeline\_type    *Check if a type of a pipeline is supported*

---

**Description**

Check if a type of a pipeline is supported

**Usage**

test\_pipeline\_type(type)

**Arguments**

type                    type of the pipeline among "component", "template", "run".

**Value**

no return value, called for side effects.

---

update\_experiment\_version\_description

*Update the description of a given experiment\_version\_id.*

---

### **Description**

Update the description of a given experiment\_version\_id.

### **Usage**

```
update_experiment_version_description(experiment_version_id, description = "")
```

### **Arguments**

experiment\_version\_id      id of the experiment\_version, can be obtained with get\_experiment\_version\_id().  
description      Description of the experiment.

### **Value**

integer - 200 on success.

---

update\_project\_user\_role

*Update user role in and existing project.*

---

### **Description**

Update user role in and existing project.

### **Usage**

```
update_project_user_role(project_id, user_id, user_role)
```

### **Arguments**

project\_id      id of the project, can be obtained with get\_projects().  
user\_id      user\_id of the user to be delete, can be obtained with get\_project\_users().  
user\_role      role to grand to the user among "admin", "contributor", "viewer" and "end\_user".

### **Value**

list - information of project's users.

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