

Package ‘rsparkling’

January 30, 2019

Title R Interface for H2O Sparkling Water

Version 0.2.18

Author Jakub Hava [aut, cre],
Navdeep Gill [aut],
Erin LeDell [aut],
Michal Malohlava [aut],
JJ Allaire [aut],
H2O.ai [cph],
RStudio [cph]

Maintainer Jakub Hava <jakub@h2o.ai>

Imports utils, sparklyr (>= 0.3), h2o (>= 3.8.3.3)

Suggests dplyr, testthat

Description An extension package for 'sparklyr' that provides an R interface to H2O Sparkling Water machine learning library (see <<https://github.com/h2oai/sparkling-water>> for more information).

License Apache License 2.0 | file LICENSE

Encoding UTF-8

LazyData true

NeedsCompilation no

SystemRequirements Java (>6)

URL <https://github.com/h2oai/sparkling-water/tree/master/r>

BugReports <http://jira.h2o.ai>

RoxygenNote 5.0.1

Depends R (>= 2.10)

Repository CRAN

Date/Publication 2019-01-30 15:40:03 UTC

R topics documented:

as_h2o_frame	2
as_spark_dataframe	2
h2o_context	3
h2o_flow	3
h2o_release_table	4

Index	5
--------------	----------

as_h2o_frame	<i>Convert a Spark DataFrame to an H2O Frame</i>
--------------	--

Description

Convert a Spark DataFrame to an H2O Frame

Usage

```
as_h2o_frame(sc, x, name = NULL, strict_version_check = TRUE)
```

Arguments

sc	Object of type spark_connection.
x	A spark_dataframe.
name	The name of the H2OFrame.
strict_version_check	(Optional) Setting this to FALSE does not cross check version of H2O and attempts to connect.

as_spark_dataframe	<i>Convert an H2O Frame to a Spark DataFrame</i>
--------------------	--

Description

Convert an H2O Frame to a Spark DataFrame

Usage

```
as_spark_dataframe(sc, x, name = paste(deparse(substitute(x)), collapse = ""),
  strict_version_check = TRUE)
```

Arguments

sc	Object of type spark_connection.
x	An H2OFrame.
name	The name to assign the data frame in Spark.
strict_version_check	(Optional) Setting this to FALSE does not cross check version of H2O and attempts to connect.

h2o_context	<i>Get the H2OContext. Will create the context if it has not been previously created.</i>
-------------	---

Description

Get the H2OContext. Will create the context if it has not been previously created.

Usage

```
h2o_context(x, strict_version_check = TRUE)
```

Arguments

x	Object of type spark_connection or spark_jobj.
strict_version_check	(Optional) Setting this to FALSE does not cross check version of H2O and attempts to connect.

h2o_flow	<i>Open the H2O Flow UI in a browser</i>
----------	--

Description

Open the H2O Flow UI in a browser

Usage

```
h2o_flow(sc, strict_version_check = TRUE)
```

Arguments

sc	Object of type spark_connection.
strict_version_check	(Optional) Setting this to FALSE does not cross check version of H2O and attempts to connect.

h2o_release_table	<i>Provide integration information for rsparkling</i>
-------------------	---

Description

Provide integration information for rsparkling

Usage

```
h2o_release_table()
```

Value

Returns a data frame containing rsparkling integration information

Index

[as_h2o_frame](#), 2
[as_spark_dataframe](#), 2

[h2o_context](#), 3
[h2o_flow](#), 3
[h2o_release_table](#), 4