Package 'geospark'

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Type Package

Title Bring Local Sf to Spark

Version 0.3.1

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BugReports https://github.com/harryprince/geospark/issues

Description R binds 'GeoSpark' <http://geospark.datasyslab.org/> extending 'sparklyr'
<https://spark.rstudio.com/> R package to make distributed 'geocomputing' easier. Sf is a
package that provides [simple features] <https:
//en.wikipedia.org/wiki/Simple_Features> access
for R and which is a leading 'geospatial' data processing tool. 'Geospark' R package bring
the same simple features access like sf but running on Spark distributed system.

License Apache License (>= 2.0)

Encoding UTF-8

LazyData true

Depends R (>= 3.1.2)

Imports sparklyr (>= 1.0.0), dplyr (>= 0.8.3), dbplyr (>= 1.3.0)

RoxygenNote 6.1.1

Suggests testthat, knitr, utils

NeedsCompilation no

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Repository CRAN

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R topics documented:

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register_gis   *Enable GIS SQL*

Description

Enable GIS SQL

Usage

```
register_gis(sc)
```

Arguments

sc   a spark connection
                    Used by 'sparklyr' to initilize GIS SQL.

Value

a GIS spark connection

Examples

```
library(geospark)
library(sparklyr)

sc <- spark_connect(master = "spark://HOST:PORT")

# spark_connect() calls register_gis() automatically, as in:
register_gis(sc)
```

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st_example   *Spark geometry example.*

Description

Spark geometry example.

Usage

```
st_example(sc, geom = "polygons")
```

Arguments

sc   an object of spark connection
geom   a string of geometry type

Details

geometry can be "polygons" or "points"

Value

a data.frame contains wkt format column example

Examples

```
library(geospark)
library(sparklyr)
library(utils)

# use the proper master, like 'local', 'yarn', etc.
sc <- spark_connect(master = "spark://HOST:PORT")

st_example(sc, "polygons")
st_example(sc, "points")
```

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