

Package: icesDatsuQC (via r-universe)

August 13, 2024

Version 1.1.0

Title Run Quality Checks on Data Prior to Submission to ICES

Description Run quality checks on data sets using the same checks that are conducted on the ICES Data Submission Utility (DATSU)
<<https://datsu.ices.dk/web/index.aspx>>.

License GPL (>= 2)

RoxygenNote 7.2.3

Imports sqldf, icesDatsu (>= 1.1.0), icesVocab, glue

Encoding UTF-8

URL <https://datsu.ices.dk/web/index.aspx>,
<https://github.com/ices-tools-prod/icesDatsuQC>

BugReports <https://github.com/ices-tools-prod/icesDatsuQC/issues>

Repository <https://ices-tools-prod.r-universe.dev>

RemoteUrl <https://github.com/ices-tools-prod/icesDatsuQC>

RemoteRef HEAD

RemoteSha 51a08fa7c51acfab68c2b50375d79142363e80ac

Contents

runQCChecks	2
runVocabChecks	2
Index	4

runQCChecks	<i>Runs quality checks on a dataset</i>
-------------	---

Description

Check a data set against the ICES DATSU data submission utility, the user must supply a dataset version and record type.

Usage

```
runQCChecks(filename, datasetverID, recordType)
```

Arguments

filename	the filename of the file to check
datasetverID	the dataset ID
recordType	string name of the record type

Value

The list of check failures

Examples

```
filename <- system.file("test_files/vms_test.csv", package = "icesDatsuQC")
runQCChecks(filename, 145, "VE")
```

runVocabChecks	<i>Runs vocabulary checks on a dataset</i>
----------------	--

Description

Check vocabularies in a data set against the ICES DATSU data submission utility, the user must supply a dataset version and record type.

Usage

```
runVocabChecks(filename, datasetverID, recordType)
```

Arguments

filename	the filename of the file to check
datasetverID	the dataset ID
recordType	string name of the record type

Value

The list of vocabulary errors. Every line that failed is reported for each field.

Examples

```
filename <- system.file("test_files/vms_test.csv", package = "icesDatsuQC")
vc <- runVocabChecks(filename, 145, "VE")
if (length(vc) > 0) {
  library(icesDatsu)
  data <-
    read.csv(
      filename,
      header = FALSE,
      col.names = getDataFieldsDescription(145, "VE")$fieldcode
    )
  # some invalid entries
  data[vc[[1]], names(vc)[1]]
}
```

Index

`runQCChecks`, [2](#)

`runVocabChecks`, [2](#)