Package 'icesDatsuQC'

October 25, 2024

Version 1.2.0

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>.

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RoxygenNote 7.3.2

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

Encoding UTF-8

URL https://datsu.ices.dk,

https://github.com/ices-tools-prod/icesDatsuQC

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

Language en-GB

NeedsCompilation no

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Repository CRAN

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Contents

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runQCChecks   *Runs quality checks on a dataset*

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

```
## Not run:
filename <- system.file("test_files/vms_test.csv", package = "icesDatsuQC")
runQCChecks(filename, 145, "VE")

## End(Not run)
```

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runVocabChecks   *Runs vocabulary checks on a dataset*

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

```
## Not run:
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]]
}

## End(Not run)
```

Index