

Package ‘gradeR’

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Title Helps Grade Assignment Submissions that are R Scripts

Version 1.0.10

Description After being given the location of your students' submissions and a test file, the function runs each .R file, and evaluates the results from all the given tests. Results are neatly returned in a data frame that has a row for each student, and a column for each test.

Depends R (>= 3.4)

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Encoding UTF-8

RoxygenNote 7.1.1

Imports testthat, methods, callr, jsonlite

Suggests knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

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`calcGrades`*The grading function.*

Description

This function grades a bunch of R script assignments

Usage

```
calcGrades(  
  submission_dir,  
  your_test_file,  
  suppress_warnings = TRUE,  
  verbose = FALSE  
)
```

Arguments

`submission_dir` where the assignments are located

`your_test_file` the path to your testthat test file (e.g. `grade_hw1.R`)

`suppress_warnings`
warning handlers prevent code from being run after they catch something. Suppress this behavior by setting this argument to `TRUE`.

`verbose` set to true if you want to print the name of the file as it's being ran

Examples

```
# change paths to *your* paths  
submissions <- "extdata/example/assignment1_submissions/"  
my_test_file <- system.file("extdata/example", "grade_hw1.R", package = "gradeR")  
results <- calcGrades(submissions, my_test_file)
```

`calcGradesForGradescope`*The grading function for Gradescope.*

Description

This function grades one R script assignment submission and writes results out to a properly-formatted json file for Gradescope.

Usage

```
calcGradesForGradescope(
  submission_file,
  test_file,
  which_results = "gradescope",
  suppress_warnings = TRUE
)
```

Arguments

`submission_file` the name of the assignment submission file (e.g. "hw1.r")

`test_file` the name of the .r file with test_that tests (e.g. "hw1_tests.R")

`which_results` Choose either "testing" or "gradescope" If equal to "gradescope" then the json file is written out to the directory that Gradescope expects. Otherwise, results.json is written to your current working directory.

`suppress_warnings` If FALSE, warnings are fatal; if set to TRUE, then warnings will not prematurely terminate running of student submission scripts.

`findBadEncodingFiles` *This function finds unreadable files.*

Description

A function that finds student submissions with poorly encoded characters

Usage

```
findBadEncodingFiles(submission_dir)
```

Arguments

`submission_dir` where the assignments are located

Examples

```
# change paths to *your* paths
submissions <- "extdata/assignment1_submissions/"
findBadEncodingFiles(submissions) # perhaps ask these students to resubmit
```

findGlobalPaths *This function finds files with global file paths.*

Description

A function that finds student submissions that refer to machine-specific file paths

Usage

```
findGlobalPaths(submission_dir)
```

Arguments

submission_dir where the assignments are located

Examples

```
# change paths to *your* paths
submissions <- "extdata/assignment1_submissions/"
findGlobalPaths(submissions) # perhaps ask these students to resubmit
```

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