Package ‘rise’

October 14, 2022

Version  1.0.4
Title   Conduct RISE Analysis
Description  Implements techniques for educational resource inspection, selection, and evaluation (RISE) described in Bodily, Nyland, and Wiley (2017) <doi:10.19173/irrodl.v18i2.2952>. Automates the process of identifying learning materials that are not effectively supporting student learning in technology-mediated courses by synthesizing information about access to course content and performance on assessments.
License  MIT + file LICENSE
Encoding  UTF-8
LazyData  true
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RoxygenNote  6.0.1
Depends  R(>= 2.10.0), ggplot2, dplyr, stats
Suggests  testthat
BugReports  https://github.com/lumenlearning/rise/issues
NeedsCompilation  no
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R topics documented:

  rise ................................................................. 2
  sample_df ......................................................... 2

Index  4
RISE Analysis

Description

Conduct RISE analysis to automatically identify learning outcomes whose learning resources or assessments might benefit from continuous improvement efforts.

Usage

rise(df, visual = FALSE)

Arguments

df            A dataframe containing three columns: outcome name, avg score on aligned assessments, and average views of aligned learning resources. The columns in the data frame must be in exactly this order.
visual        When this argument is FALSE (the default), the function returns an annotated data frame with RISE information in the final two columns. When this argument is TRUE, the function returns a ggplot2 graph of the RISE diamond.

Value

Returns either an annotated data frame or a graph, depending on the value of visual.

Examples

library(ggplot2)
rise(sample_df, visual = TRUE)

RISE analysis sample data

Description

Seven learning outcomes, average scores on aligned assessments, and average number of views of each aligned resource.

Usage

sample_df
A data frame with 7 rows and 3 variables:

- **outcomes** - a learning outcome
- **avg_scores** - average score on aligned assessments
- **avg_views** - average views per student of each aligned learning resource
Index

* datasets
  sample_df, 2
rise, 2
sample_df, 2