Package 'rise'

July 23, 2025

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.

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Encoding UTF-8

LazyData true

ByteCompile true

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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Repository CRAN

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rise	*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 assessmets, 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)
```

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sample_df	*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
```

Format

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

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