

Package ‘experiences’

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Type Package

Title Experience Research

Version 0.1.1

Description Provides convenience functions for researching experiences including user, customer, patient, employee, and other human experiences. It provides a suite of tools to simplify data exploration such as benchmarking, comparing groups, and checking for differences. The outputs translate statistical approaches in applied experience research to human readable output.

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Encoding UTF-8

Imports cli, dplyr, huxtable, magrittr, scales, stringr, tibble

RoxygenNote 7.2.1

NeedsCompilation no

Author Joe Chelladurai [aut, cre] (ORCID:
<<https://orcid.org/0000-0001-8477-3753>>)

Maintainer Joe Chelladurai <joe.chelladurai@outlook.com>

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`compare_benchmark_event`*Compare Probability of an Event with Benchmark*

Description

Compare Probability of an Event with Benchmark

Usage

```
compare_benchmark_event(  
  benchmark,  
  event,  
  total,  
  event_type = "",  
  notes = c("minimal", "technical")  
)
```

Arguments

<code>benchmark</code>	benchmark
<code>event</code>	event
<code>total</code>	total
<code>event_type</code>	Optional: a string describing the type of event. For example, success, failure, etc.
<code>notes</code>	whether output should contain minimal, technical, or executive type of notes.

Value

list of event rate, probability, notes

Examples

```
compare_benchmark_event(benchmark = 0.7,  
  event = 10,  
  total = 12,  
  event_type = "success",  
  notes = "minimal")
```

`compare_benchmark_score`*Compare Score with a Benchmark*

Description

Compare Score with a Benchmark

Usage

```
compare_benchmark_score(  
  data,  
  benchmark,  
  alpha,  
  tail = "one",  
  remove_missing = TRUE  
)
```

Arguments

<code>data</code>	a column or vector of scores
<code>benchmark</code>	benchmark
<code>alpha</code>	alpha
<code>tail</code>	one-tailed or two-tailed test
<code>remove_missing</code>	TRUE/FALSE remove missing values? (default is TRUE)

Value

lower_ci, upper_ci, t, probability

Examples

```
data <- 68 + 17 * scale(rnorm(20)) # 68 = mean, 17 = sd  
compare_benchmark_score(data, benchmark = 60, alpha = 0.5)
```

`compare_benchmark_time`*Compare Time with a Benchmark*

Description

Compare Time with a Benchmark

Usage

```
compare_benchmark_time(benchmark, time, alpha, remove_missing = FALSE)
```

Arguments

benchmark	benchmark
time	a column or vector of time values
alpha	alpha
remove_missing	TRUE/FALSE remove missing values?

Value

lower_ci, upper_ci, t, probability

Examples

```
compare_benchmark_time(time = c(60, 53, 70, 42, 62, 43, 81),
  benchmark = 60,
  alpha = 0.05)
```

<i>t_dist_one_tailed</i>	<i>T distribution - one-tailed</i>
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Description

T distribution - one-tailed

Usage

```
t_dist_one_tailed(t_score, degrees_of_freedom)
```

Arguments

t_score	t value
degrees_of_freedom	degrees of freedom

Value

value

t_dist_two_tailed	<i>T distribution - two-tailed</i>
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Description

T distribution - two-tailed

Usage

t_dist_two_tailed(t_score, degrees_of_freedom)

Arguments

t_score t value
degrees_of_freedom degrees of freedom

Value

value

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