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

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Repository CRAN

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Contents

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

benchmark	benchmark
event	event
total	total
event_type	Optional: a string describing the type of event. For example, success, failure, etc.
notes	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

data	a column or vector of scores
benchmark	benchmark
alpha	alpha
tail	one-tailed or two-tailed test
remove_missing	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)
```

---

t_dist_one_tailed *T distribution - one-tailed*

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` *T distribution - two-tailed*

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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