Package: experiences (via r-universe)

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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

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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)
```

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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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