Package 'scorer'

August 29, 2016

Title Quickly Score Models in Data Science and Machine Learning

Version 0.2.0

Description A set of tools for quickly scoring models in data science and machine learning. This toolset is written in C++ for blazing fast performance.

URL https://github.com/paulhendricks/scorer

BugReports https://github.com/paulhendricks/scorer/issues

Depends R (>= 3.2.3)

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LazyData true

Suggests testthat (>= 0.11.0)

LinkingTo Rcpp

Imports Rcpp (>= 0.12.3)

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R topics documented:

`absolute_error` *Calculate absolute error regression loss.*

Description

Calculate absolute error regression loss.

Usage

```
absolute_error(y_true, y_pred)
```

Arguments

`y_true`	Ground truth (correct) target values.
`y_pred`	Estimated target values.

Value

A numeric vector of length equal to `max(length(y_true), length(y_pred))`.

See Also

Other regression.metrics: absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
absolute_error(1:10, 10:1)
```

---

absolute_percent_error

Calculate absolute percent error regression loss.

Description

Calculate absolute percent error regression loss.

Usage

```
absolute_percent_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length equal to `max(length(y_true), length(y_pred))`.

See Also

Other regression.metrics: absolute_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
absolute_percent_error(1:10, 10:1)
```

ae *Calculate absolute error between actual and forecast.*

Description

ae takes actual and forecast numeric vectors and returns a numeric vector where forecast is subtracted from the actual and then the absolute value is taken of those errors.

Usage

```
ae(y_true = NULL, y_pred = NULL, actual = NULL, forecast = NULL)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.
actual	a numeric vector of actuals.
forecast	a numeric vector of forecasts.

Value

a numeric vector of absolute errors.

Examples

```
# Examples
ae(1:100, 100:1)
```

ape *Calculate absolute percent error between actual and forecast.*

Description

pe takes actual and forecast numeric vectors and returns a numeric vector where forecast is subtracted from the actual and then those errors are divided by the actuals. Lastly, the absolute value of those percent errors are taken.

Usage

```
ape(y_true = NULL, y_pred = NULL, actual = NULL, forecast = NULL)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.
actual	a numeric vector of actuals.
forecast	a numeric vector of forecasts.

Value

a numeric vector of absolute percent errors.

Examples

```
# Examples
ape(1:100, 100:1)
```

---

e *Calculate error between actual and forecast.*

Description

e takes actual and forecast numeric vectors and returns a numeric vector where forecast is subtracted from the actual.

Usage

```
e(y_true = NULL, y_pred = NULL, actual = NULL, forecast = NULL)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.
actual	a numeric vector of actuals.
forecast	a numeric vector of forecasts.

Value

a numeric vector of errors.

Examples

```
# Examples
e(1:100, 100:1)
```

explained_variance_score *Calculate explained variance regression score function.*

Description

Calculate explained variance regression score function.

Usage

```
explained_variance_score(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
explained_variance_score(1:10, 10:1)
```

log_error *Calculate log error regression loss.*

Description

Calculate log error regression loss.

Usage

```
log_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length equal to `max(length(y_true), length(y_pred))`.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
log_error(1:10, 10:1)
```

---

mape *Calculate mean absolute percent error between actual and forecast.*

Description

mape takes actual and forecast numeric vectors and returns a numeric vector where forecast is subtracted from the actual and then those errors are divided by the actuals, the absolute value of those percent errors are then taken, and lastly, the mean of those absolute percent errors are taken.

Usage

```
mape(y_true = NULL, y_pred = NULL, actual = NULL, forecast = NULL,
  na.rm = TRUE, ...)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.
actual	a numeric vector of actuals.
forecast	a numeric vector of forecasts.
na.rm	a logical value indicating whether NA values should be stripped before the computation proceeds.
...	additional arguments to be passed to mean()

Value

a numeric vector of length one: the mean of of absolute percent errors.

Examples

```
# Examples
mape(1:100, 100:1)
```

`mean_absolute_error` *Calculate mean absolute error regression loss.*

Description

Calculate mean absolute error regression loss.

Usage

```
mean_absolute_error(y_true, y_pred)
```

Arguments

`y_true`	Ground truth (correct) target values.
`y_pred`	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: `absolute_error`, `absolute_percent_error`, `explained_variance_score`, `log_error`, `mean_absolute_percent_error`, `mean_absolute_scaled_error`, `mean_error`, `mean_percent_error`, `mean_squared_error`, `mean_squared_log_error`, `median_absolute_error`, `median_absolute_percent_error`, `median_percent_error`, `median_squared_error`, `median_squared_log_error`, `percent_error`, `r2_score`, `squared_error`, `squared_log_error`, `symmetric_mean_absolute_percent_error`, `symmetric_median_absolute_percent_error`, `total_variance_score`, `unexplained_variance_score`

Examples

```
mean_absolute_error(1:10, 10:1)
```

mean_absolute_percent_error *Calculate mean absolute percent error regression loss.*

Description

Calculate mean absolute percent error regression loss.

Usage

```
mean_absolute_percent_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
mean_absolute_percent_error(1:10, 10:1)
```

---

mean_absolute_scaled_error *Calculate mean absolute scaled error regression loss.*

Description

Calculate mean absolute scaled error regression loss.

Usage

```
mean_absolute_scaled_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
mean_absolute_scaled_error(1:10, 10:1)
```

---

mean_error *Calculate mean error regression loss.*

Description

Calculate mean error regression loss.

Usage

```
mean_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
mean_error(1:10, 10:1)
```

`mean_percent_error` *Calculate mean percent error regression loss.*

Description

Calculate mean percent error regression loss.

Usage

```
mean_percent_error(y_true, y_pred)
```

Arguments

`y_true`	Ground truth (correct) target values.
`y_pred`	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: `absolute_error`, `absolute_percent_error`, `explained_variance_score`, `log_error`, `mean_absolute_error`, `mean_absolute_percent_error`, `mean_absolute_scaled_error`, `mean_error`, `mean_squared_error`, `mean_squared_log_error`, `median_absolute_error`, `median_absolute_percent_e`
`median_percent_error`, `median_squared_error`, `median_squared_log_error`, `percent_error`, `r2_score`, `squared_error`, `squared_log_error`, `symmetric_mean_absolute_percent_error`, `symmetric_median_absolute_percent_error`, `total_variance_score`, `unexplained_variance_score`

Examples

```
mean_percent_error(1:10, 10:1)
```

mean_squared_error *Calculate mean squared error regression loss.*

Description

Calculate mean squared error regression loss.

Usage

```
mean_squared_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_e median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
mean_squared_error(1:10, 10:1)
```

mean_squared_log_error *Calculate mean squared log error regression loss.*

Description

Calculate mean squared log error regression loss.

Usage

```
mean_squared_log_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
mean_squared_log_error(1:10, 10:1)
```

---

median_absolute_error *Calculate median absolute error regression loss.*

Description

Calculate median absolute error regression loss.

Usage

```
median_absolute_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
median_absolute_error(1:10, 10:1)
```

`median_absolute_percent_error` *Calculate median absolute percent error regression loss.*

Description

Calculate median absolute percent error regression loss.

Usage

```
median_absolute_percent_error(y_true, y_pred)
```

Arguments

`y_true`	Ground truth (correct) target values.
`y_pred`	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: `absolute_error`, `absolute_percent_error`, `explained_variance_score`, `log_error`, `mean_absolute_error`, `mean_absolute_percent_error`, `mean_absolute_scaled_error`, `mean_error`, `mean_percent_error`, `mean_squared_error`, `mean_squared_log_error`, `median_absolute_error`, `median_percent_error`, `median_squared_error`, `median_squared_log_error`, `percent_error`, `r2_score`, `squared_error`, `squared_log_error`, `symmetric_mean_absolute_percent_error`, `symmetric_median_absolute_percent_error`, `total_variance_score`, `unexplained_variance_score`

Examples

```
median_absolute_percent_error(1:10, 10:1)
```

median_percent_error *Calculate median percent error regression loss.*

Description

Calculate median percent error regression loss.

Usage

```
median_percent_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
median_percent_error(1:10, 10:1)
```

median_squared_error *Calculate median squared error regression loss.*

Description

Calculate median squared error regression loss.

Usage

```
median_squared_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
median_squared_error(1:10, 10:1)
```

---

median_squared_log_error

Calculate median squared log error regression loss.

Description

Calculate median squared log error regression loss.

Usage

```
median_squared_log_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
median_squared_log_error(1:10, 10:1)
```

---

pe *Calculate percent error between actual and forecast.*

Description

pe takes actual and forecast numeric vectors and returns a numeric vector where forecast is subtracted from the actual and then those errors are divided by the actuals.

Usage

```
pe(y_true = NULL, y_pred = NULL, actual = NULL, forecast = NULL)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.
actual	a numeric vector of actuals.
forecast	a numeric vector of forecasts.

Value

a numeric vector of percent errors.

Examples

```
# Examples
pe(1:100, 100:1)
```

percent_error *Calculate percent error regression loss.*

Description

Calculate percent error regression loss.

Usage

```
percent_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length equal to `max(length(y_true), length(y_pred))`.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
percent_error(1:10, 10:1)
```

r2_score *Calculate R^2 (coefficient of determination) regression score function.*

Description

Calculate R^2 (coefficient of determination) regression score function.

Usage

```
r2_score(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
r2_score(1:10, 10:1)
```

---

rmse *Calculate root mean squared error.*

Description

rmse takes actual and forecast numeric vectors and returns a numeric vector where forecast is subtracted from the actual, the errors are then squared, the average of those squared error is taken, and lastly, the root taken of that mean squared error value.

Usage

```
rmse(y_true = NULL, y_pred = NULL, actual = NULL, forecast = NULL,
  na.rm = TRUE, ...)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.
actual	a numeric vector of actuals.
forecast	a numeric vector of forecasts.
na.rm	a logical value indicating whether NA values should be stripped before the computation proceeds.
...	additional arguments to be passed to mean()

Value

a numeric vector of length one: the mean of of absolute percent errors.

Examples

```
# Examples
rmse(1:100, 100:1)
```

`scorer` *scorer: Quickly Score Models in Data Science and Machine Learning.*

Description

A set of tools for quickly scoring models in data science and machine learning. This toolset is written in C++ for blazing fast performance.

`squared_error` *Calculate squared error regression loss.*

Description

Calculate squared error regression loss.

Usage

```
squared_error(y_true, y_pred)
```

Arguments

`y_true`	Ground truth (correct) target values.
`y_pred`	Estimated target values.

Value

A numeric vector of length equal to `max(length(y_true), length(y_pred))`.

See Also

Other regression.metrics: `absolute_error`, `absolute_percent_error`, `explained_variance_score`, `log_error`, `mean_absolute_error`, `mean_absolute_percent_error`, `mean_absolute_scaled_error`, `mean_error`, `mean_percent_error`, `mean_squared_error`, `mean_squared_log_error`, `median_absolute_error`, `median_absolute_percent_error`, `median_percent_error`, `median_squared_error`, `median_squared_log_error`, `percent_error`, `r2_score`, `squared_log_error`, `symmetric_mean_absolute_percent_error`, `symmetric_median_absolute_percent_error`, `total_variance_score`, `unexplained_variance_score`

Examples

```
squared_error(1:10, 10:1)
```

squared_log_error *Calculate squared log_error regression loss.*

Description

Calculate squared log_error regression loss.

Usage

```
squared_log_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length equal to `max(length(y_true), length(y_pred))`.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute total_variance_score, unexplained_variance_score

Examples

```
squared_log_error(1:10, 10:1)
```

symmetric_mean_absolute_percent_error *Calculate symmetric mean absolute percent error regression loss.*

Description

Calculate symmetric mean absolute percent error regression loss.

Usage

```
symmetric_mean_absolute_percent_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_median_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
symmetric_mean_absolute_percent_error(1:10, 10:1)
```

---

symmetric_median_absolute_percent_error

Calculate symmetric median absolute percent error regression loss.

Description

Calculate symmetric median absolute percent error regression loss.

Usage

```
symmetric_median_absolute_percent_error(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, total_variance_score, unexplained_variance_score

Examples

```
symmetric_median_absolute_percent_error(1:10, 10:1)
```

---

total_variance_score *Calculate total variance regression score function.*

Description

Calculate total variance regression score function.

Usage

```
total_variance_score(y_true, y_pred)
```

Arguments

y_true	Ground truth (correct) target values.
y_pred	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: absolute_error, absolute_percent_error, explained_variance_score, log_error, mean_absolute_error, mean_absolute_percent_error, mean_absolute_scaled_error, mean_error, mean_percent_error, mean_squared_error, mean_squared_log_error, median_absolute_error, median_absolute_percent_error, median_percent_error, median_squared_error, median_squared_log_error, percent_error, r2_score, squared_error, squared_log_error, symmetric_mean_absolute_percent_error, symmetric_median_absolute_percent_error, unexplained_variance_score

Examples

```
total_variance_score(1:10, 10:1)
```

`unexplained_variance_score` *Calculate unexplained variance regression score function.*

Description

Calculate unexplained variance regression score function.

Usage

```
unexplained_variance_score(y_true, y_pred)
```

Arguments

`y_true`	Ground truth (correct) target values.
`y_pred`	Estimated target values.

Value

A numeric vector of length one.

See Also

Other regression.metrics: `absolute_error`, `absolute_percent_error`, `explained_variance_score`, `log_error`, `mean_absolute_error`, `mean_absolute_percent_error`, `mean_absolute_scaled_error`, `mean_error`, `mean_percent_error`, `mean_squared_error`, `mean_squared_log_error`, `median_absolute_error`, `median_absolute_percent_error`, `median_percent_error`, `median_squared_error`, `median_squared_log_error`, `percent_error`, `r2_score`, `squared_error`, `squared_log_error`, `symmetric_mean_absolute_percent_error`, `symmetric_median_absolute_percent_error`, `total_variance_score`

Examples

```
unexplained_variance_score(1:10, 10:1)
```

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