

h2o (version 3.32.1.3)

h2o.anomaly: Anomaly Detection via H2O Deep Learning Model

Description

Detect anomalies in an H2O dataset using an H2O deep learning model with auto-encoding.

Usage

```
h2o.anomaly(object, data, per_feature = FALSE)
```

Arguments

object

An '>H2OAutoEncoderModel' object that represents the model to be used for anomaly detection.

data

An H2OFrame object.

per_feature

Whether to return the per-feature squared reconstruction error

Value

Returns an H2OFrame object containing the reconstruction MSE or the per-feature squared error.

See Also

`[h2o.deeplearning](#)` for making an H2OAutoEncoderModel.

Examples

```
# NOT RUN {
library(h2o)
h2o.init()
prostate_path = system.file("extdata", "prostate.csv", package = "h2o")
prostate = h2o.importFile(path = prostate_path)
prostate_dl = h2o.deeplearning(x = 3:9, training_frame = prostate, autoencoder = TRUE,
                             hidden = c(10, 10), epochs = 5)
prostate_anon = h2o.anomaly(prostate_dl, prostate)
head(prostate_anon)
prostate_anon_per_feature = h2o.anomaly(prostate_dl, prostate, per_feature = TRUE)
```

```
head(prostate_anon_per_feature)
# }
```

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