Structure

CoreMLFeatureValueObservation

An object that represents a collection of key-value information that a Core ML image-analysis request produces.

iOS 18.0+ | iPadOS 18.0+ | macOS 15.0+ | tvOS 18.0+ | visionOS 2.0+

```
struct CoreMLFeatureValueObservation
```

Overview

This type of observation results from performing a CoreMLRequest image analysis with a Core ML model whose role is prediction rather than classification or image-to-image processing.

The framework infers that an MLModel object is a predictor model if that model predicts multiple features. You can tell that a model predicts multiple features when its modelDescription object has a nil value for its predictedFeatureName property, or when it inserts its output in an outputDescriptionsByName dictionary.

The confidence for these observations is always 1.0.

Topics

Creating an observation

init?(VNCoreMLFeatureValueObservation)
   Creates a feature value observation.

Inspecting an observation

`enum RequestDescriptor`

A type that describes the request and revision combination.

Getting the feature name and value

`let featureName: String`

The name in the model description of the model that produces this observation.

`let featureValue: MLSendableFeatureValue`

The feature result of a request that outputs neither a classification nor an image.

Relationships

Conforms To

```
Copyable
CustomStringConvertible
Decodable
Encodable
Equatable
Hashable
Sendable
SendableMetatype
VisionObservation
```

See Also

Machine learning image analysis

`struct CoreMLRequest`

An image-analysis request that uses a Core ML model to process images.

struct ClassificationObservation

An object that represents classification information that an image-analysis request produces.

struct PixelBufferObservation

An object that represents an image that an image-analysis request produces.