

[Vision](#) / ClassificationObservation

Structure

ClassificationObservation

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

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

```
struct ClassificationObservation
```

Topics

Creating an observation

```
init(VNClassificationObservation)
```

Creates a classification observation.

Inspecting an observation

```
enum RequestDescriptor
```

A type that describes the request and revision combination.

```
var hasPrecisionRecallCurve: Bool
```

A Boolean value that indicates whether the observation contains precision and recall curves.

```
let identifier: String
```

The classification label that identifies the type of observation.

Determining precision and recall

```
func hasMinimumPrecision(Float, forRecall: Float) -> Bool
```

Determines whether the observation has a minimum precision value for a specific recall.

```
func hasMinimumRecall(Float, forPrecision: Float) -> Bool
```

Determines whether the observation has a minimum recall value for a specific precision.

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 CoreMLFeatureValueObservation
```

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

```
struct PixelBufferObservation
```

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