ML_Core

Go Up

Name	ML_Core
Version	3.1.0
Description	Common definitions for Machine Learning
License	SeeLICENSE.TXT
Copyright	Copyright (C) 2017 HPCC Systems
Authors	HPCCSystems
Platform	6.2.0

Table of Contents

AppendID

DESCRIPTIONS

MACRO **AppendID**

AppendID
`(dIn,idfield,dOut)`

AppendSeqID

DESCRIPTIONS

MACRO **AppendSeqID**

AppendSeqID
(dIn,idfield,dOut)

Config

DESCRIPTIONS

MODULE Config

Config

Children

1. MaxLookup

2. Discrete

3. RoundingError

ATTRIBUTE MaxLookup

Config \

MaxLookup

ATTRIBUTE Discrete

Config \

Discrete

ATTRIBUTE **RoundingError**

Config \

RoundingError

Constants

DESCRIPTIONS

MODULE Constants

Constants

Useful constants

Children

1. Pi : Constant PI

2. Root_2 : Constant square root of 2

ATTRIBUTE Pi

Constants \

Pi

Constant PI

ATTRIBUTE **Root_2**

Root_2

Constant square root of 2

FieldAggregates

IMPORTS

ML_Core | ML_Core.Types | ML_Core.Utils | std.system.ThorLib |

DESCRIPTIONS

MODULE FieldAggregates

FieldAggregates
`(DATASET(Types.NumericField) d)`

Children

1. Simple
2. SimpleRanked
3. Medians
4. MinMedNext
5. Buckets
6. BucketRanges
7. Modes
8. Cardinality
9. RankedInput

ATTRIBUTE Simple

FieldAggregates \

Simple

ATTRIBUTE SimpleRanked

FieldAggregates \

SimpleRanked

ATTRIBUTE Medians

FieldAggregates \

Medians

ATTRIBUTE MinMedNext

FieldAggregates \

MinMedNext

FUNCTION Buckets

FieldAggregates \

Buckets
(Types.t_Discrete n)

FUNCTION BucketRanges

FieldAggregates \

BucketRanges
(Types.t_Discrete n)

ATTRIBUTE Modes

FieldAggregates \

Modes

ATTRIBUTE Cardinality

FieldAggregates \

Cardinality

ATTRIBUTE RankedInput

FieldAggregates \

RankedInput

FUNCTION NTiles

FieldAggregates \

NTiles
(Types.t_Discrete n)

FUNCTION NTileRanges

FieldAggregates \

NTileRanges
(Types.t_Discrete n)

ML_Core/
FromField

Go Up

DESCRIPTIONS

MACRO **FromField**

FromField
`(dIn,lOut,dOut,dMap=")`

Generate

IMPORTS

ML_Core | ML_Core.Types |

DESCRIPTIONS

MODULE Generate

	Generate

Children

1. tp_Method
2. MethodName
3. ToPoly

ATTRIBUTE tp_Method

Generate \

	tp_Method

FUNCTION MethodName

Generate \

MethodName
(tp_Method x)

FUNCTION ToPoly

Generate \

ToPoly
(DATASET(Types.NumericField) seedCol, UNSIGNED maxN=6)

ToField

DESCRIPTIONS

MACRO **ToField**

ToField
`(dIn,dOut,idfield=", wifield=", wivalue=",datafields=")`

Types

DESCRIPTIONS

MODULE **Types**

	Types

Children

1. t_RecordID

2. t_FieldNumber

3. t_FieldReal

4. t_FieldSign

5. t_Discrete

6. t_Item

7. t_Count

8. t_Work_Item

9. AnyField

10. NumericField

11. DiscreteField

12. Layout_Model

13. Classify_Result

14. l_result

15. Confusion_Detail

`ATTRIBUTE` **t_RecordID**

Types \

	t_RecordID

`ATTRIBUTE` **t_FieldNumber**

Types \

	t_FieldNumber

`ATTRIBUTE` **t_FieldReal**

Types \

	t_FieldReal

`ATTRIBUTE` **t_FieldSign**

Types \

t__FieldSign

ATTRIBUTE t_Discrete

Types \

t__Discrete

ATTRIBUTE t_Item

Types \

t__Item

ATTRIBUTE t_Count

Types \

t__Count

ATTRIBUTE t_Work_Item

Types \

t__Work_Item

`RECORD` **AnyField**

	AnyField

`RECORD` **NumericField**

	NumericField

`RECORD` **DiscreteField**

	DiscreteField

`RECORD` **Layout_Model**

	Layout_Model

`RECORD` **Classify_Result**

Classify__Result

RECORD l_result

l__result

RECORD Confusion_Detail

Confusion__Detail

RECORD ItemElement

ItemElement

ATTRIBUTE t_node

t__node

ATTRIBUTE t_level

t_level

RECORD NodeID

NodeID