

# root

---

[Go Up](#)

## Table of Contents

<a href="#">import_test.ecl</a>
This module exists to turn a dataset of numberfields into a dataset of DiscreteFields
<a href="#">import_test_2.ecl</a>
<a href="#">mod_1.ecl</a>
<a href="#">mod_2.ecl</a>

# import\_test

---

[Go Up](#)

## IMPORTS

ML\_Core.Generate | ML\_Core.Constants | std.Str | ML\_Core | ML\_Core.Discretize |  
PBblas.MatUtils |

## DESCRIPTIONS

### **MODULE** import\_test

	import_test
--	-------------

This module exists to turn a dataset of numberfields into a dataset of DiscreteFields. This is not quite as trivial as it seems as there are a number of different ways to make the underlying data discrete; and even within one method there may be different parameters. Further - it is quite probable that different methods are going to be desired for each field.

**INTERNAL** True

### Children

1. [c\\_Method](#) : No Documentation Found
2. [r\\_Method](#) : No Documentation Found
3. [i\\_ByRounding](#) : No Documentation Found
4. [ByRounding](#) : No Documentation Found
5. [i\\_ByBucketing](#) : No Documentation Found

6. [ByBucketing](#) : No Documentation Found
7. [i\\_ByTiling](#) : No Documentation Found
8. [ByTiling](#) : No Documentation Found
9. [Do](#) : No Documentation Found

---

## ATTRIBUTE **c\_Method**

[import\\_test](#) \

	<b>c_Method</b>
--	-----------------

No Documentation Found

**RETURN** UNSIGNED4 —

---

## RECORD **r\_Method**

[import\\_test](#) \

	<b>r_Method</b>
--	-----------------

No Documentation Found

**FIELD** rparam2 ||| REAL8 — No Doc

**FIELD** rparam1 ||| REAL8 — No Doc

**FIELD** fields ||| SET ( UNSIGNED4 ) — No Doc

**FIELD** method ||| UNSIGNED4 — No Doc

**FIELD** iparam1 ||| INTEGER8 — No Doc

## FUNCTION **i\_ByRounding**

import\_test \

<b>i_ByRounding</b>
(SET OF Types.t_FieldNumber f, REAL Scale=1.0,REAL Delta=0.0)

No Documentation Found

**PARAMETER** delta ||| REAL8 — No Doc

**PARAMETER** f ||| SET ( UNSIGNED4 ) — No Doc

**PARAMETER** scale ||| REAL8 — No Doc

**RETURN** TABLE ( r\_Method ) —

---

## FUNCTION **ByRounding**

import\_test \

<b>ByRounding</b>
(DATASET(Types.NumericField) d,REAL Scale=1.0, REAL Delta=0.0)

No Documentation Found

**PARAMETER** delta ||| REAL8 — No Doc

**PARAMETER** d ||| TABLE ( NumericField ) — No Doc

**PARAMETER** scale ||| REAL8 — No Doc

**RETURN** TABLE ( { UNSIGNED2 wi , UNSIGNED8 id , UNSIGNED4 number ,  
INTEGER4 value } ) —

---

## FUNCTION **i\_ByBucketing**

`import_test \`

<b>i_ByBucketing</b>
(SET OF Types.t_FieldNumber f, Types.t_Discrete N=ML_Core.Config.Discrete)

No Documentation Found

**PARAMETER** f ||| SET ( UNSIGNED4 ) — No Doc

**PARAMETER** n ||| INTEGER4 — No Doc

**RETURN** TABLE ( r\_Method ) —

---

## FUNCTION **ByBucketing**

`import_test \`

<b>ByBucketing</b>
(DATASET(Types.NumericField) d, Types.t_Discrete N=ML_Core.Config.Discrete)

No Documentation Found

**PARAMETER** d ||| TABLE ( NumericField ) — No Doc

**PARAMETER** n ||| INTEGER4 — No Doc

**RETURN** TABLE ( { UNSIGNED2 wi , UNSIGNED8 id , UNSIGNED4 number ,  
INTEGER4 value } ) —

---

## FUNCTION **i\_ByTiling**

`import_test \`

<b>i_ByTiling</b>
(SET OF Types.t_FieldNumber f, Types.t_Discrete N=ML_Core.Config.Discrete)

No Documentation Found

**PARAMETER** f ||| SET ( UNSIGNED4 ) — No Doc

**PARAMETER** n ||| INTEGER4 — No Doc

**RETURN** TABLE ( r\_Method ) —

## FUNCTION ByTiling

import\_test \

<b>ByTiling</b>
(DATASET(Types.NumericField) d, Types.t_Discrete N=ML_Core.Config.Discrete)

No Documentation Found

**PARAMETER** d ||| TABLE ( NumericField ) — No Doc

**PARAMETER** n ||| INTEGER4 — No Doc

**RETURN** TABLE ( { UNSIGNED2 wi , UNSIGNED8 id , UNSIGNED4 number ,  
INTEGER4 value } ) —

## FUNCTION Do

import\_test \

<b>Do</b>
(DATASET(Types.NumericField) d, DATASET(r_Method) to_do)

No Documentation Found

**PARAMETER** d ||| TABLE ( NumericField ) — No Doc

**PARAMETER** to\_\_do ||| TABLE ( r\_Method ) — No Doc

**RETURN** TABLE ( DiscreteField ) —

---

# import\_\_test\_\_2

---

[Go Up](#)

## IMPORTS

[ML\\_Core.Constants](#) | [PBblas](#) | [Example\\_3](#) |

## DESCRIPTIONS

### **MODULE** import\_\_test\_\_2

	import__test__2
--	-----------------

No Documentation Found

### Children

1. [nod\\_1](#) : Useful constants
2. [mod\\_1](#) : No Documentation Found

---

### **MODULE** nod\_\_1

[import\\_\\_test\\_\\_2](#) \

	nod__1
--	--------

Useful constants



## Children

1. `Pi` : Constant PI
  2. `Root_2` : Constant square root of 2
- 

### **ATTRIBUTE** `Pi`

`import_test_2 \ nod_1 \`

	<code>Pi</code>
--	-----------------

Constant PI

**RETURN** REAL8 —

---

### **ATTRIBUTE** `Root_2`

`import_test_2 \ nod_1 \`

	<code>Root_2</code>
--	---------------------

Constant square root of 2

**RETURN** REAL8 —

---

### **MODULE** `mod_1`

`import_test_2 \`

	<code>mod_1</code>
--	--------------------

No Documentation Found

---

# mod\_1

---

[Go Up](#)

## DESCRIPTIONS

### **MODULE** mod\_1

	mod_1
--	-------

No Documentation Found

#### Children

1. [v1](#) : No Documentation Found
  2. [m1v4](#) : No Documentation Found
  3. [m1v6](#) : No Documentation Found
- 

### **ATTRIBUTE** v1

[mod\\_1](#) \

	v1
--	----

No Documentation Found

**RETURN** REAL8 —

---

## MODULE m1v4

[mod\\_1](#) \

	<b>m1v4</b>
	(REAL8 a1)

No Documentation Found

**PARAMETER** a1 ||| REAL8 — No Doc

### Children

1. [m1v5](#) : No Documentation Found

---

## ATTRIBUTE m1v5

[mod\\_1](#) \ [m1v4](#) \

	<b>m1v5</b>
--	-------------

No Documentation Found

**RETURN** REAL8 —

---

## ATTRIBUTE m1v6

[mod\\_1](#) \

	<b>m1v6</b>
--	-------------

No Documentation Found



# mod\_2

---

[Go Up](#)

## IMPORTS

[mod\\_1](#) |

## DESCRIPTIONS

### **MODULE** mod\_2

	mod_2
--	-------

No Documentation Found

### Children

1. [v2](#) : No Documentation Found
2. [v3](#) : No Documentation Found
3. [v4](#) : No Documentation Found
4. [v5](#) : No Documentation Found
5. [v6](#) : No Documentation Found

---

### **MODULE** v2

[mod\\_2](#) \

	<b>v2</b>
--	-----------

No Documentation Found

Children

- 1. [v1](#) : No Documentation Found
- 2. [m1v4](#) : No Documentation Found
- 3. [m1v6](#) : No Documentation Found

**ATTRIBUTE** v1

[mod\\_2](#) \ [v2](#) \

	<b>v1</b>
--	-----------

No Documentation Found

**RETURN** REAL8 —

**MODULE** m1v4

[mod\\_2](#) \ [v2](#) \

	<b>m1v4</b>
<a href="#">(REAL8 a1)</a>	

No Documentation Found

**PARAMETER** [a1](#) ||| REAL8 — No Doc

Children

1. `m1v5` : No Documentation Found

---

**ATTRIBUTE** `m1v5`

`mod_2 \ v2 \ m1v4 \`

<code>m1v5</code>
-------------------

No Documentation Found

**RETURN** `REAL8` —

---

**ATTRIBUTE** `m1v6`

`mod_2 \ v2 \`

<code>m1v6</code>
-------------------

No Documentation Found

**RETURN** `REAL8` —

---

**ATTRIBUTE** `v3`

`mod_2 \`

<code>v3</code>
-----------------

No Documentation Found



**RETURN** REAL8 —

---

**MODULE** v4

[mod\\_2](#) \

	v4
(REAL8 a2)	

No Documentation Found

**PARAMETER** a2 ||| REAL8 — No Doc

Children

- 1. [m1v5](#) : No Documentation Found
- 

**ATTRIBUTE** m1v5

[mod\\_2](#) \ [v4](#) \

	m1v5
--	------

No Documentation Found

**RETURN** REAL8 —

---

**ATTRIBUTE** v5

[mod\\_2](#) \

	<b>v5</b>
--	-----------

No Documentation Found

**RETURN** REAL8 —

---

**ATTRIBUTE** v6

[mod\\_2](#) \

	<b>v6</b>
--	-----------

No Documentation Found

**RETURN** REAL8 —

---