

root

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Name	LogisticRegression
Version	1.0.0
Description	Logistic Regression implementation
License	http://www.apache.org/licenses/LICENSE-2.0
Copyright	Copyright (C) 2017 HPCC Systems
Authors	HPCCSystems
DependsOn	ML_Core, PBblas
Platform	6.2.0

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Matrix multiply when either A or B is a diagonal and is passed as a vector

Constants

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ATTRIBUTE **limit_card**

[Constants](#) \

UNSIGNED2	limit_card
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No Documentation Found

RETURN UNSIGNED2 —

ATTRIBUTE **default_epsilon**

[Constants](#) \

REAL8	default_epsilon
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RETURN REAL8 —

ATTRIBUTE default_ridge

[Constants](#) \

REAL8	default_ridge
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RETURN REAL8 —

ATTRIBUTE local_cap

[Constants](#) \

UNSIGNED4	local_cap
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RETURN UNSIGNED4 —

ATTRIBUTE id_base

[Constants](#) \

	id_base
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No Documentation Found

RETURN INTEGER8 —

ATTRIBUTE id_iters

[Constants](#) \

	id_iters
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RETURN INTEGER8 —

ATTRIBUTE id_delta

[Constants](#) \

	id_delta
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No Documentation Found

RETURN INTEGER8 —

ATTRIBUTE id_correct

[Constants](#) \

	id_correct
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No Documentation Found

RETURN INTEGER8 —

ATTRIBUTE id_incorrect

[Constants](#) \

	id_incorrect
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RETURN INTEGER8 —

ATTRIBUTE id_stat_set

[Constants](#) \

	id_stat_set
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RETURN SET (INTEGER8) —

ATTRIBUTE id_betas

[Constants](#) \

	id_betas
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No Documentation Found

RETURN INTEGER8 —

ATTRIBUTE id_betas_coef

[Constants](#) \

	id_betas_coef
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RETURN INTEGER8 —

ATTRIBUTE id_betas_SE

[Constants](#) \

	id_betas_SE
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RETURN INTEGER8 —

ATTRIBUTE base_builder

[Constants](#) \

	base_builder
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RETURN INTEGER8 —

ATTRIBUTE base_max_iter

[Constants](#) \

	base_max_iter
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RETURN INTEGER8 —

ATTRIBUTE base_epsilon

[Constants](#) \

	base_epsilon
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RETURN INTEGER8 —

ATTRIBUTE base_ind_vars

[Constants](#) \

	base_ind_vars
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RETURN INTEGER8 —

ATTRIBUTE base_dep_vars

[Constants](#) \

	base_dep_vars
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RETURN INTEGER8 —

ATTRIBUTE base_obs

[Constants](#) \

	base_obs
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RETURN INTEGER8 —

ATTRIBUTE builder_irls_local

[Constants](#) \

	builder_irls_local
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RETURN INTEGER8 —

ATTRIBUTE builder_irls_global

[Constants](#) \

	builder_irls_global
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RETURN INTEGER8 —

ATTRIBUTE builder_softmax

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RETURN INTEGER8 —

dimm

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IMPORTS

std.blas | std.BLAS.Types |

DESCRIPTIONS

EMBED `dimm`

<code>Types.matrix_t</code>	<code>dimm</code>
<pre>(BOOLEAN transposeA, BOOLEAN transposeB, BOOLEAN diagonalA, BOOLEAN diagonalB, Types.dimension_t m, Types.dimension_t n, Types.dimension_t k, Types.value_t alpha, Types.matrix_t A, Types.matrix_t B, Types.value_t beta=0.0, Types.matrix_t C=[])</pre>	

Matrix multiply when either A or B is a diagonal and is passed as a vector. $\alpha * \text{op}(A) \text{ op}(B) + \beta * C$ where $\text{op}()$ is transpose

PARAMETER transposeA ||| BOOLEAN — true when transpose of A is used

PARAMETER n ||| UNSIGNED4 — number of columns in product

PARAMETER diagonalB ||| BOOLEAN — true when B is the diagonal matrix

PARAMETER A ||| SET (REAL8) — matrix A

PARAMETER k ||| UNSIGNED4 — number of columns/rows for the multiplier/multiplicand

PARAMETER alpha ||| REAL8 — scalar used on A

PARAMETER B ||| SET (REAL8) — matrix B

PARAMETER transposeB ||| BOOLEAN — true when transpose of B is used

PARAMETER C ||| SET (REAL8) — matrix C or empty

PARAMETER beta ||| REAL8 — scalar for matrix C

PARAMETER m ||| UNSIGNED4 — number of rows in product

PARAMETER diagonalA ||| BOOLEAN — true when A is the diagonal matrix

RETURN SET (REAL8) —
