

Data Model Machine Learning Metrics

Design Name	Machine Learning Metrics Design
Version Date	17.06.2021 01:32:07
Version Comment	
Model Name	Machine Learning Metrics

Table Name	ML_ALGORITHM_T
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Contains the list of algorithms available for model generation
Notes	

Number Of Columns	1
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	NAME	P		Y	VARCHAR (150 BYTE)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
ALGORITHM_T_PK	PK				NAME	ASC
ALGORITHM_T_PK	UN				NAME	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
ML_MODEL_T_ML_ALGORITHM_T_FK	ML_MODEL_T	Y	Y		ALGORITHM	NAME	
PRR_T_ALGORITHM_T_FK	ML_PARAMETERS_T	Y	Y		ALGORITHM_T_NAME	NAME	

Table Name	ML_METRICS_BIN_T
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Contains the metrics per time period (bin) model combination
Notes	

Number Of Columns	10
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID			Y	NUMERIC - AI	LT				
2	F1				NUMERIC	LT				
3	TRUE_NEGATIVE				NUMERIC	LT				
4	TRUE_POSITIVE				NUMERIC	LT				
5	FALSE_NEGATIVE				NUMERIC	LT				
6	FALSE_POSITIVE				NUMERIC	LT				
7	ACCURACY				NUMERIC	LT				
8	MODEL_ID		F	Y	NUMERIC	LT				
9	BIN				NUMERIC	LT				
10	PROBABILITY				NUMERIC	LT				

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
METRICS_BIN_T_MODEL_T_FK	ML_MODEL_T	Y	Y		MODEL_ID	ID	

Table Name	ML_METRICS_MODEL_T
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Contains the metrics of every model generated
Notes	

Number Of Columns	8
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID	P		Y	NUMERIC - AI	LT				
2	F1				NUMERIC	LT				
3	TRUE_NEGATIVE				NUMERIC	LT				
4	TRUE_POSITIVE				NUMERIC	LT				
5	FALSE_NEGATIVE				NUMERIC	LT				
6	FALSE_POSITIVE				NUMERIC	LT				
7	ACCURACY				NUMERIC	LT				
8	MODEL_ID		F	Y	NUMERIC	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
METRICS_T_PK	PK				ID	ASC
METRICS_T_PK	UN				ID	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
METRICS_MODEL_T_MODEL_T_FK	ML_MODEL_T	Y	Y		MODEL_ID	ID	

Table Name	ML_MODEL_PARAMETERS_T
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Contains the values of the parameters associated with the generated model
Notes	

Number Of Columns	4
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID	P		Y	NUMERIC - AI	LT				
2	VALUE				VARCHAR (2000 BYTE)	LT				
3	MODEL_ID		F		NUMERIC	LT				
4	PARAMETER_ID		F	Y	NUMERIC (9)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
MODEL_PARAMETERS_PK	PK				ID	ASC
MODEL_PARAMETERS_PK	UN				ID	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
MODEL_PRR_T_MODEL_T_FK	ML_MODEL_T		Y		MODEL_ID	ID	
ML_MODEL_PARAMETERS_T_ML_PARAMETERS_T_FK	ML_PARAMETERS_T	Y	Y		PARAMETER_ID	ID	

Table Name	ML_MODEL_T
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Contains the information on the models generated
Notes	

Number Of Columns	6
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID	P		Y	NUMERIC - AI	LT				
2	NAME			Y	VARCHAR (50 BYTE)	LT				
3	ALGORITHM		F	Y	VARCHAR (40 BYTE)	LT				
4	USEDATE				Date (7)	LT				
5	DESTINATION				VARCHAR (50 BYTE)	LT				
6	DATAFRAME_NAME				VARCHAR (150 BYTE)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
MODEL_PK	PK				ID	ASC
MODEL_PK	UN				ID	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
ML_MODEL_T_ML_ALGORITHM_T_FK	ML_ALGORITHM_T	Y	Y		ALGORITHM	NAME	

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
METRICS_BIN_T_MODEL_T_FK	ML_METRICS_BIN_T	Y	Y		MODEL_ID	ID	
METRICS_MODEL_T_MODEL_T_FK	ML_METRICS_MODEL_T	Y	Y		MODEL_ID	ID	
MODEL_PRR_T_MODEL_T_FK	ML_MODEL_PARAMETERS_T		Y		MODEL_ID	ID	

Table Name	ML_PARAMETERS_T
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	
MV Prebuilt	
MV Query	

Description	Contains the parameters associated with the algorithm
Notes	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID	P		Y	NUMERIC (9) - AI	LT				
2	NAME			Y	VARCHAR (150 BYTE)	LT				
3	ALGORITHM_T_NAME		F	Y	VARCHAR (150 BYTE)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
ML_PARAMETERS_T_PK	PK				ID	ASC
ML_PARAMETERS_T_PK	UN				ID	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
PRR_T_ALGORITHM_T_FK	ML_ALGORITHM_T	Y	Y		ALGORITHM_T_NAME	NAME	

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
ML_MODEL_PARAMETERS_T_ML_PARAMETERS_T_FK	ML_MODEL_PARAMETERS_T	Y	Y		PARAMETER_ID	ID	