

Policy Engine

Sparkflows.io allows you to define and process Rules

Sparkflows provides a number of features for processing Rules

Processors

- CaseWhen
- DataValidation
- RowFilter
- DropRowsWithNull
- DataValidation

CaseWhen

Add a new column based on the condition defined on other columns

Decision

Check for overall condition and act accordingly

Assert

It takes in an expression. Based on the results of applying the expression, it sends the output to the first or the second port.

RowFilter

Filter rows based on condition.

Transformation

Create a new column based on an expression on other columns

CaseWhen

CaseWhen

Based on the condition, set the value of the new column

OUTPUT COLUMN NAME:

KEY VALUE ARRAY:

WHEN CONDITION	VALUE
state == "failed"	0
state == "canceled"	1

ELSE:

Decision, Assert

Decision

Based on the condition, proceeds with the next steps or stops here.

VARIABLES LIST:

COLUMNS	FUNCTION	SYMBOL	VALUES
c2	COUNT_RECORDS	>	2000

Assert

It takes in an Expression. Based on the result of the expression, it sends the output to the first or the second port.

EXPRESSION:

RowFilter, DropRowsWithNull etc.

RowFilter

Filters rows which fit the provided expression

CONDITIONAL EXPRESSION:

DropRowsWithNull

Drops the Rows which have null values.

Transform

Transform

There are many transform Processors including:

- StringFunction, MathsFunction, DateFunction etc.

DataValidation

DataValidation

Applies validation rules on the Dataset and generates 2 Datasets of good and bad records

VALIDATION SUCCESSFUL IF PERCENT GOOD RECORDS >=:

VARIABLES LIST:

COLUMNS	FUNCTION	VALUES	CONDITION	FUNCTION	VALUES	CONDITION	FUNCTION	VALUES
email	IS_VALID_EMAIL_ADDRESS							
date	IS_VALID_DATE_FORMAT	yyyy-MM-dd	OR	IS_VALID_DATE_FORMAT	dd-MM-yyyy			
fi	VALUE_GREATER_THAN	0	AND	VALUE_LESS_THAN	101			
name	LENGTH_LESS_THAN	20						

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