Enumerations

The Python execution context employs some enumerations describing field and variable metadata.

Enumerations used

DataType

This enumeration is used for Megaladata data types. Its elements are:

Name	Value	Represented data type
None	0	Data type not set
Boolean	1	Boolean
DateTime	2	Date/Time
Float	3	Float
Integer	4	Integer
String	5	String
Variant	6	Variant

DataKind

This represents the discrete/continuous nature of data. Enumeration elements are:

Name	Value	Represented kind of data
Undefined	0	Data kind not set
Continuous	1	Continuous
Discrete	2	Discrete

UsageType

This enumeration lists dataset field usage types. Its elements are:

Name	Value	Represented usage type
Unspecified	0	Unspecified
Excluded	1	Excluded
Useless	2	Useless
Active (also: Used, Input)	3	Active
Predicted (also: Output)	4	Predicted
Key	5	Key
Group	6	Group
Value	7	Value
Transaction	8	Transaction
Item	9	Item

Examples of using enumerations

```
from builtin_data import OutputTable, DataType, UsageType

col0 = OutputTable.Columns[0]
#Checking the value of a property with an enumeration type
if (col0.DataType == DataType.String):
    print("Column {} has a string data type".format(col0.Name))

#Outputting numeric representation of enumeration value
print(col0.DefaultUsageType)
#Outputting string representation of enumeration value
print(UsageType(col0.DefaultUsageType).name)
```

Read on: Output Console