

EXAMPLE - Day of Functions

This example illustrates how you can apply functions to derive day-of-week values out of a column of Datetime type:

- WEEKDAY - returns numeric value for the day of the week for source Datetime values. See *WEEKDAY Function*.
- WEEKNUM - returns the numeric value for the week within the year for source Datetime values. See *WEEKNUM Function*.
- DATEFORMAT - can be used to format Datetime values in many different ways. See *DATEFORMAT Function*.

Source:

myDate
10/30/17
10/31/17
11/1/17
11/2/17
11/3/17
11/4/17
11/5/17
11/6/17

Transformation:

The following transformation step generates a numeric value for the day of week in a new column:

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	WEEKDAY (myDate)
Parameter: New column name	'weekDayNum'

The following step generates a full text version of the name of the day of the week:

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	DATEFORMAT(myDate, 'EEEE')
Parameter: New column name	'weekDayNameFull'

The following step generates a three-letter abbreviation for the name of the day of the week:

Transformation Name	New formula
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Parameter: Formula type	Single row formula
Parameter: Formula	DATEFORMAT(myDate, 'EEE')
Parameter: New column name	'weekDayNameShort'

The following step generates the numeric value of the week within the year:

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	WEEKNUM (myDate)
Parameter: New column name	'weekNum'

Results:

myDate	weekDayNum	weekDayNameFull	weekDayNameShort	weekNum
10/30/17	1	Monday	Mon	44
10/31/17	2	Tuesday	Tue	44
11/1/17	3	Wednesday	Wed	44
11/2/17	4	Thursday	Thu	44
11/3/17	5	Friday	Fri	44
11/4/17	6	Saturday	Sat	44
11/5/17	7	Sunday	Sun	45
11/6/17	1	Monday	Mon	45