

**DATE\_ADD** is one of our most popular date and time functions because it allows you to display your data easily over a period of time.

Before we get started, let's look at the parameters.

- **Values:** The column that contains the dates in the data source. Remember the format of the date is important. To learn, how to express the date format, see <http://docs.oracle.com/javase/6/docs/api/java/text/SimpleDateFormat.html>
- **Unit:** A unit of time – Options include *second, minute, hour, day, week, month, quarter, or year.*
- **Amount:** How much time you want to return. For example, for a week unit, -1 returns the previous week, -2 the last two weeks, and so on.

For our Support example, let's build a Bar/Line Chart that uses the **SELECT** function to return the last 7 days on the X:Axis.

For the two Series, let's use the same **SELECT** formula but change the first parameter in each **SELECT** formula to return the values you want to display.

In this Klip, the bars are stacked. This option is available by selecting the Series Chart sub-component.



The formula for the **X:Axis** is:

```
SELECT( A:A , ( BETWEEN( DATE( A:A , "M/d/yy" ) , DATE_ADD( TODAY( ) , day , -6 ) , TODAY( ) ) ) )
```

Use the **Insert literal string or number** button to type in the *amount* of -6 days.

**Klipfolio Tip:** The **X:Axis** and the **Series** must return the same number of items, otherwise the **X:Axis** might display additional dates.

On the **Properties** panel, **Format as** is set to **Date/Time**, **Input Format** is set to **Custom M/dd/yy** and **Output Format** is set to **dd/MM/yyyy**.

To create the **Series** formulas use Ctrl+C and Ctrl+V to copy and paste the X:Axis formula to each of the Series.

#### Series1

```
SELECT( B:B , ( BETWEEN( DATE( A:A , "M/d/yy" ) , DATE_ADD( TODAY( ) , day , -6 ) , TODAY( ) ) ) )
```

#### Series2

```
SELECT( C:C , ( BETWEEN( DATE( A:A , "M/d/yy" ) , DATE_ADD( TODAY( ) , day , -6 ) , TODAY( ) ) ) )
```

This Klip uses the following data source. To build this Klip, ensure your dates fall in the last seven days.

	A	B	C
1	6/21/14	15	20
2	6/22/14	25	30
3	6/23/14	35	50
4	6/24/14	45	70
5	6/25/14	55	90
6	6/26/14	65	110
7	6/27/14	75	120
8	6/28/14	85	130
9	6/29/14	95	140
10	6/30/14	105	150