# Create Calendar Table Using BRAVO

While creating calendar tables in Power BI, we face some problems, like,

- ❖ If a table contains multiple dates column, it's difficult to obtain minimum and maximum dates.
- ❖ While creating a Calendar table using MIN and MAX dates, it takes the exact minimum & maximum dates, which creates issues such as comparing sales with the previous month. The reason is that the Calendar table doesn't contain dates before minimum date or dates after maximum date.
- ❖ Sometimes we need to initiate Time Intelligence for some specific condition (can define as measures). The traditional approach can't do it smoothly.

All of this problem can be solved by creating Calendar table using BRAVO which is an open-source tool and easy to use.

Bravo for Power BI is a powerful toolkit that helps to analyze your models, format measures, create date tables, and export data.

To manage the date table, first, the Auto date/time option under the Time intelligence must be disabled.
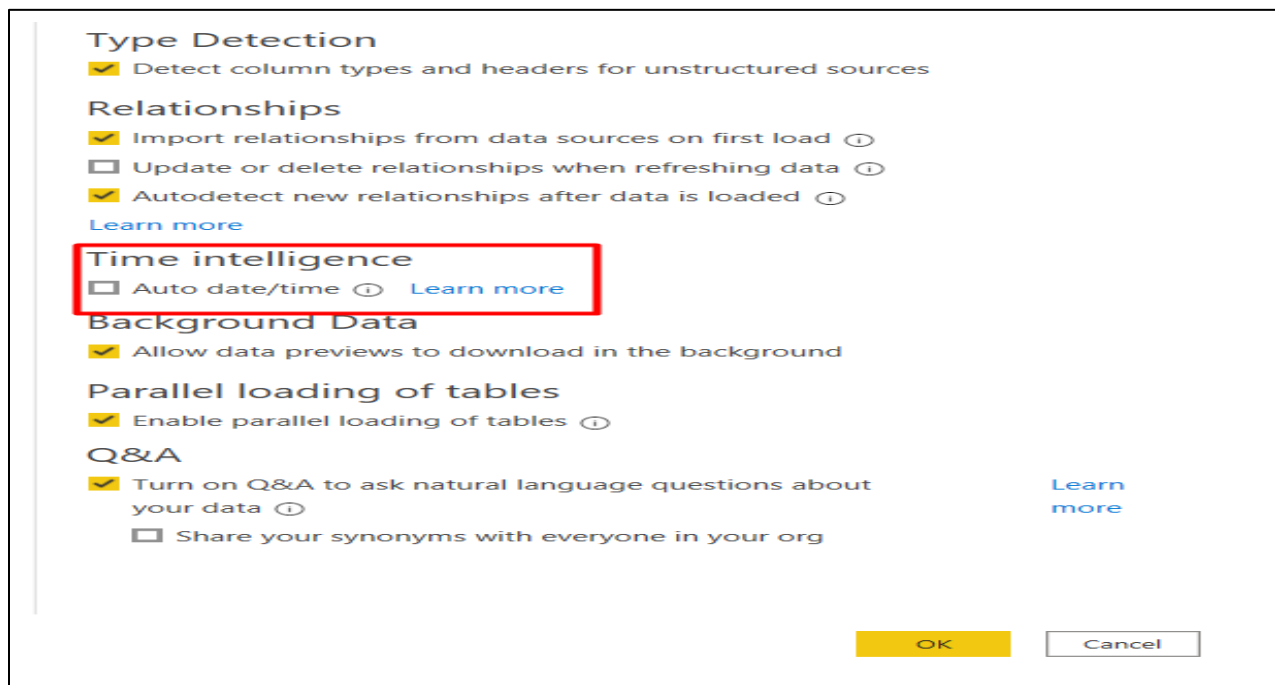


Note: To disable the Auto date/time option under the Time intelligence (go to Power BI Desktop > File > Options and Settings > Options > Data Load > Time intelligence > Auto date/time for new Files)

Go to the Manage Date ribbon and pick the date table. After picking the date table follow the steps below.

**Step 1:**

Download BRAVO from [Bravo for Power BI from Github](#) After installing BRAVO, open Power BI Desktop then under External Tool Tab Select Bravo. Or connect to Power BI Desktop from BRAVO and select the dataset you want to work with. Then follow the steps below.

- Choose Calendar under Manage Date (Marked as 1). As the date table is already selected, this feature will show the overall view for Calendar (Marked as 2) setting.
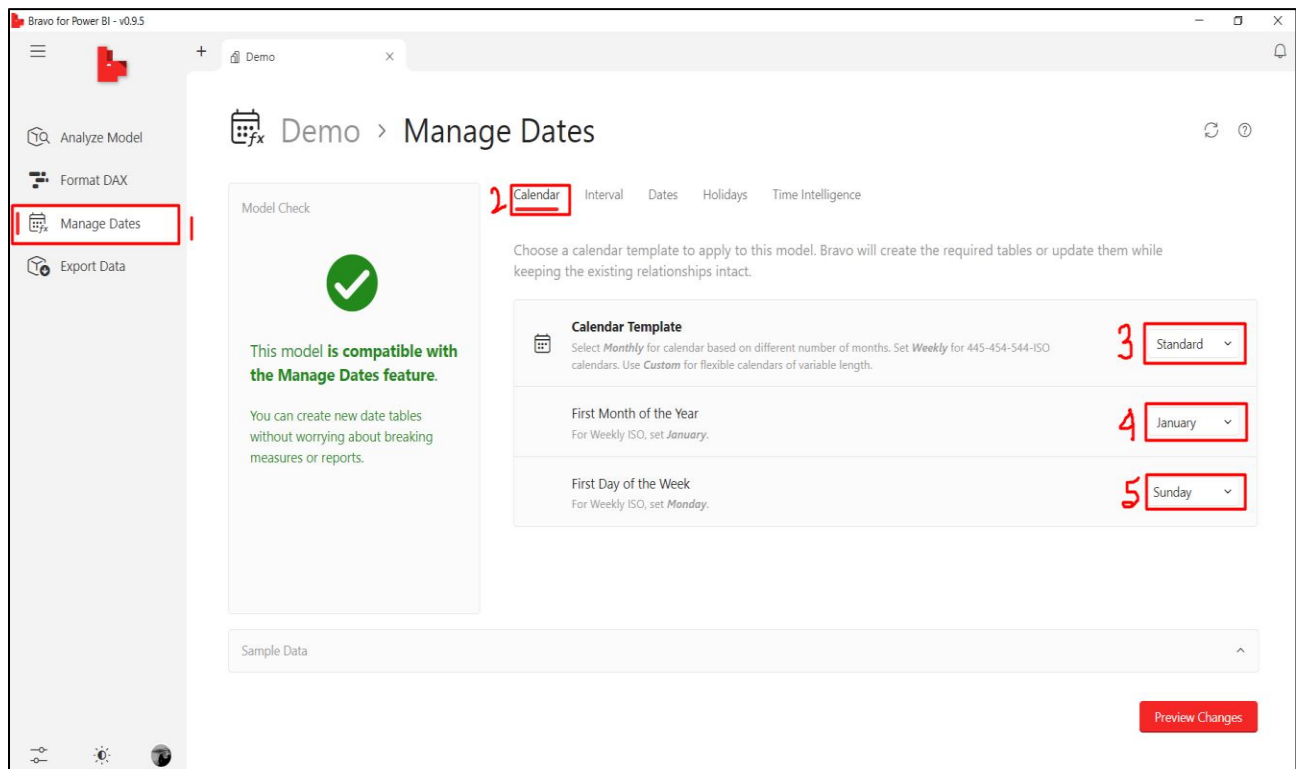


- Choose Standard (Marked as 3) for Standard type calendar, Monthly or Weekly for monthly or weekly base calendar or select Custom for a custom calendar
- The same way applies for selecting the First Month of the Year (Marked as 4) and First Day of the Week (Marked as 5).

**Step 2:**

This "Interval" ribbon (Marked as 1) helps to choose date column (Automatically & Manually) as marked 4 with additional options where First Year (Marked as 2) & Last Year (Marked as 3) can be defined.



This will create a calendar from January 2017 to December 2021. Select Full in Automatic Scan to scan entire dataset or Select Choose Columns to scan a specific column.

Note: Left last year empty to create a calendar till the current date.

**Step 3:**

Regional format, table name along with date definition table will be found in the Dates setting. This helps to choose the regional format for the date table. Change the Regional Format field if you want a specific format for the table. To rename the table, edit the Dates Table field.



**Step 4:**

Holidays assist to include holidays in the calendar table, to activate this functionality On, set the Holidays on, Country wise holidays can be chosen from here.

Keep the Holidays field on. Change the country in Holidays Country field if you want holidays for a specific country.

**Step 5:**

By enabling Time Intelligence functions on, we can utilize the time intelligence to our Calendar table. Another feature is available where we can initiate the time intelligence based on All Measures or Chosen Measures (Marked as 1). By Choosing a specific measure, BRAVO will create some measures (Marked as 2) to perform Time Intelligence.
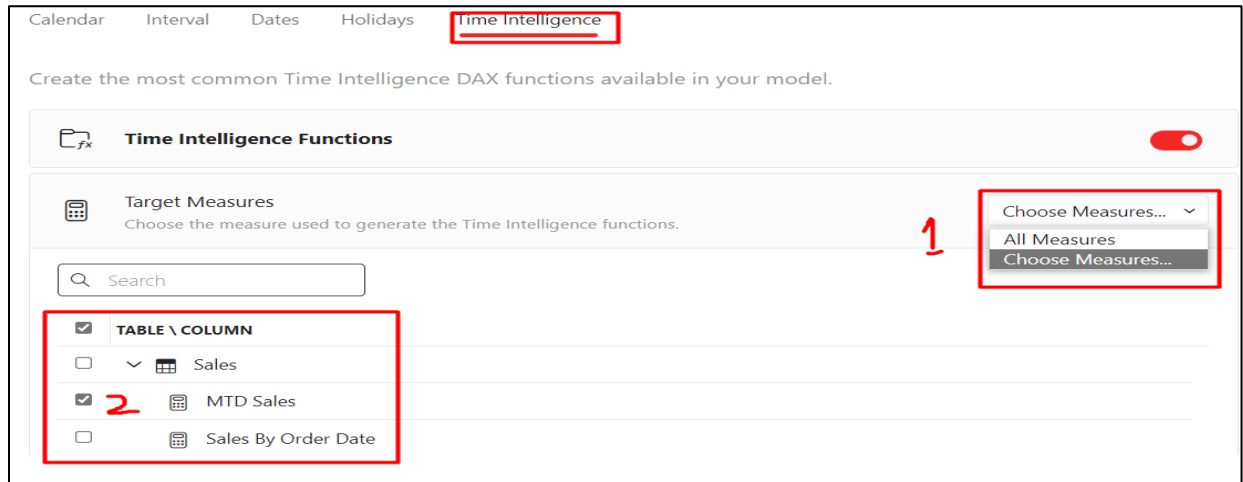


Note: All the measures will be based on the selected measure.

**Step 6:**

After everything's done, Click Preview. Check the preview if everything's ok, Click Apply Changes.
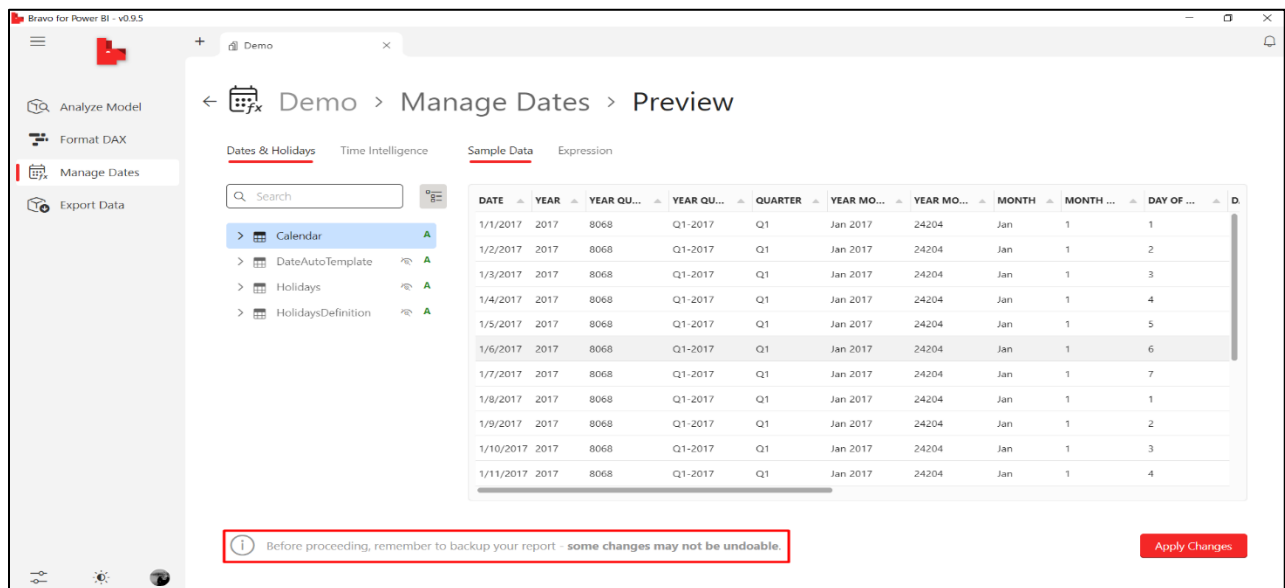


Now the Calendar table can be used to perform different operations in Power BI.