Power BI – How and Why to Add Records Between the Start and End Date

February 2nd, 2022

By Justin Song, Senior BI Analyst

If you have data that includes date ranges (such as tasks or projects with a start and end date) and create a visual in Power BI with either a start or end date, it will often give you incorrect results.

Let's have a look at an example below:

The first row shows 2 hours forecasted per day between January 3rd and January 7th. The data itself is correct, but is that what I want to see in my report as a project

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

manager? No, I want to see 2 hours for each day between January 3rd and January 7th, 10 hours (2 × 5 days) instead.
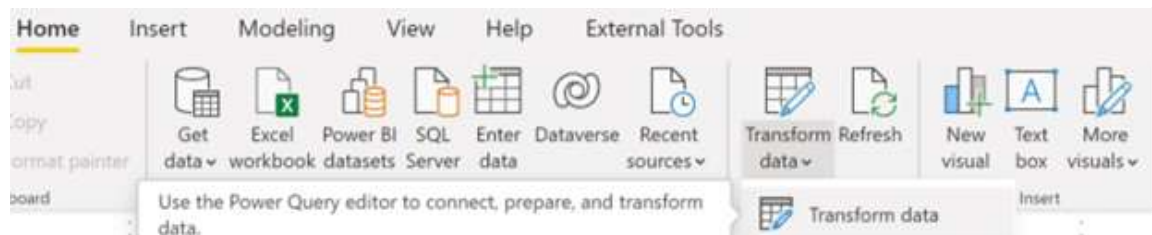
How can we do this in Power BI without altering the source of data?

Start Date	End Date	Forecast Hours per day
2022-01-03	2022-01-07	2.00
2022-01-10	2022-01-14	0.60
2022-01-10	2022-01-21	2.00
2022-01-17	2022-01-21	3.20
2022-01-24	2022-01-28	0.60
2022-01-24	2022-02-04	1.00
2022-02-14	2022-03-03	1.10
2022-03-07	2022-05-06	0.50
		11.00

What you need to do is transform your data. There are many methods you can use, but I'll show you one simple method to solve the problem.

Generating new records/rows between dates including start and end date:

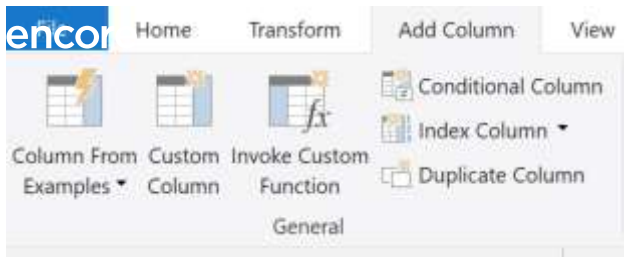- Click Transform data to open power query editor.

- Make sure the type of your dates is the "date" type.

- Clic. Add Column tab > Custom Column.

- Enter the name of column and expression below. {Number.From([Start Date])..Number.From([End Date])}

- Please note that the date is a number as well.

- Two dots will generate a list from Start Date and End Date.

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

- Click arrow button on newly created column Date and select "Expand to New Rows".

- You will find the same records/rows but different numbers of date from the list.

- Change type to Date.

- Create a relationship to the date with your calendar dimension table in your model. The result below is what I want to see in my report:

Start Date	End Date	Date	Forecast Hours per day
2022-01-03	2022-01-07	2022-01-03	2.00
2022-01-03	2022-01-07	2022-01-04	2.00
2022-01-03	2022-01-07	2022-01-05	2.00
2022-01-03	2022-01-07	2022-01-06	2.00
2022-01-03	2022-01-07	2022-01-07	2.00
2022-01-10	2022-01-14	2022-01-10	0.60
2022-01-10	2022-01-14	2022-01-11	0.60
2022-01-10	2022-01-14	2022-01-12	0.60
2022-01-10	2022-01-14	2022-01-13	0.60
2022-01-10	2022-01-14	2022-01-14	0.60
2022-01-10	2022-01-21	2022-01-10	2.00
2022-01-10	2022-01-21	2022-01-11	2.00
2022-01-10	2022-01-21	2022-01-12	2.00
2022-01-10	2022-01-21	2022-01-13	2.00
2022-01-10	2022-01-21	2022-01-14	2.00
2022-01-10	2022-01-21	2022-01-15	2.00
2022-01-10	2022-01-21	2022-01-16	2.00
2022-01-10	2022-01-21	2022-01-17	2.00
2022-01-10	2022-01-21	2022-01-18	2.00
2022-01-10	2022-01-21	2022-01-19	2.00
2022-01-10	2022-01-21	2022-01-20	2.00
2022-01-10	2022-01-21	2022-01-21	2.00
2022-01-17	2022-01-21	2022-01-17	3.20

Power BI with Dynamics 365 Business Central

Power BI Apps for Dynamics 365 Business Central

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

118.30

If you have any questions about using Power BI, please connect with us.

Categorized In: Power BI, Power Platform

Share:

Author

Justin Song

Justin is a highly qualified Senior Business Intelligence and Data Analyst who holds numerous professional certifications in accounting, business intelligence, project management, data, development and a wide range of technologies.

More from Justin Song

Related Articles

By Justin Song   August 31, 2021

Account Schedule With Power BI in Dynamics 365 Business Central

Did you know that Microsoft Power BI can connect account schedule data in Microsoft Dynamics 365 Business Central? Follow the simple steps shown below to try this out youself: Click search icon Type Account Schedule KPI Web Service Setup Click Account Schedule KPI Web Service Setup Enter information on General header tab Web Service Name…

By The Encore Team   May 19, 2021

Better Together | Microsoft D365 Business Central & The Modern Workplace (Video)

Microsoft Solutions Partner

Business Applications

Specialist
Small and Midsize Business
Management

888.898.4330

encore@encorebusiness.com

Encore Business Solutions Inc. is a Microsoft Dynamics
Partner that provides software and services to clients
throughout North America.

Microsoft product images reprinted with permission from
Microsoft Corporation.

Company

About Us

Leadership

Locations

Winnipeg, MB

Calgary, AB

Seattle, WA

North America

Get in Touch

Contact

Support

Subscribe

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations