

PowerBI Report 2

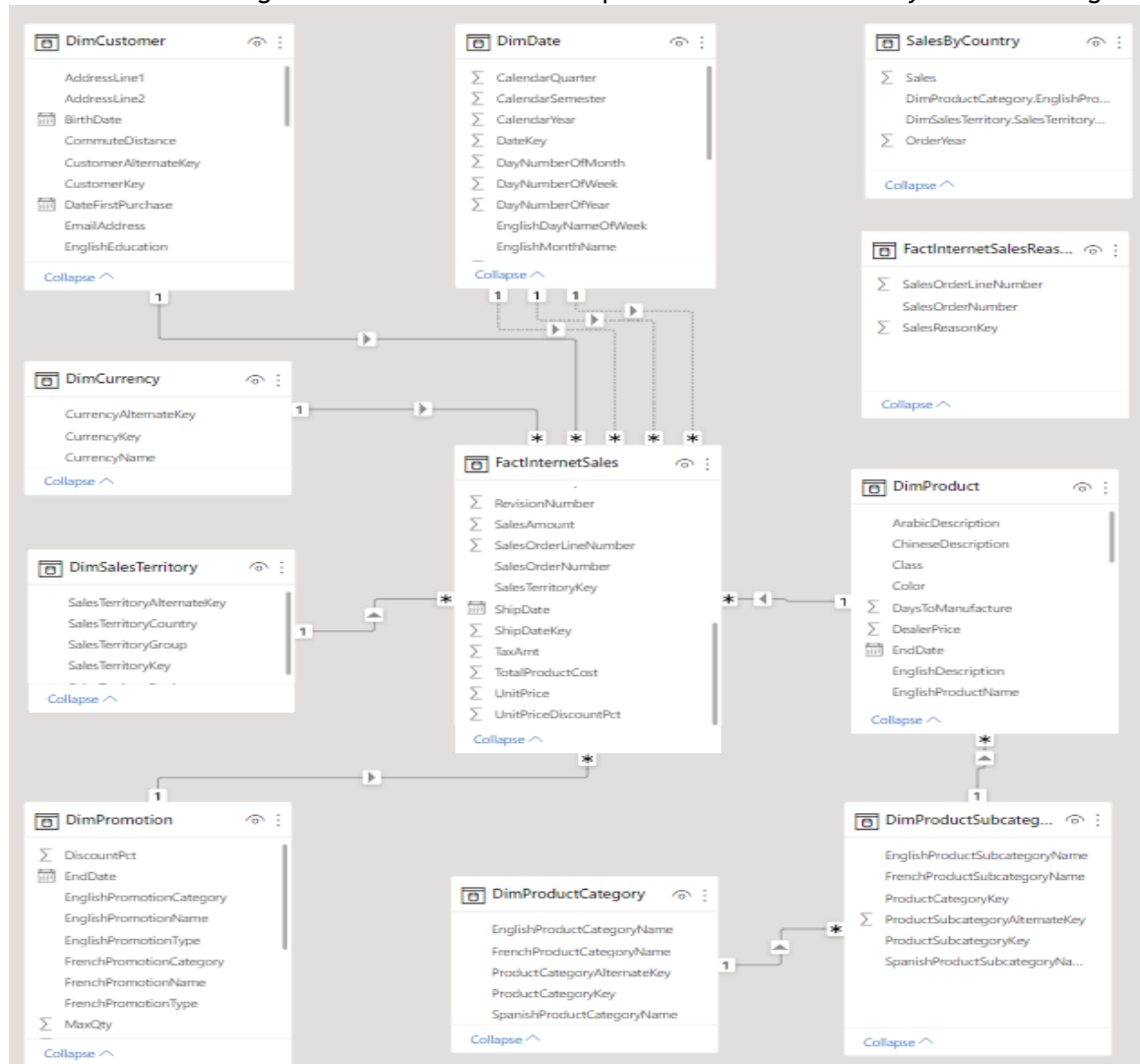
CONTENTS

1. BUILDING A SIMPLE POWER BI REPORT	2
1.1. WORKING WITH POWER BI MODEL	2
1.2 WORKING WITH POWER BI REPORT	4
2. CREATE LAB REPORT	5

1. BUILDING A SIMPLE POWER BI REPORT

1.1. WORKING WITH POWER BI MODEL

1. Open the report PowerBILab1_Artiom_Dolzhenko
2. Switch to Modelling View. Check the relationships that were automatically created during data load.



3. Review the Cardinality, Cross filter direction and Active/Inactive relationships. We are going to work with OrderDate as the main Date for the analysis, so remove other relationships between FactInternetSales table and DimDate and make the OrderDate connection active.

Edit relationship

Select tables and columns that are related.

FactInternetSales

ProductKey	OrderDateKey	DueDateKey	ShipDateKey	CustomerKey	PromotionKey	CurrencyKey	S
528	20130128	20130209	20130204	14870	1	100	
528	20130129	20130210	20130205	15319	1	100	
528	20130131	20130212	20130207	16384	1	100	

DimDate

DateKey	FullDateAlternateKey	DayNumberOfWeek	EnglishDayNameOfWeek	SpanishDayNameOfWeek	Fr
20100701	Thursday, July 1, 2010	5	Thursday	Jueves	Je
20100702	Friday, July 2, 2010	6	Friday	Viernes	Vi
20100703	Saturday, July 3, 2010	7	Saturday	Sábado	Sa

Cardinality

Many to one (*:1)

Cross filter direction

Single

☐ Make this relationship active

☐ Apply security filter in both directions

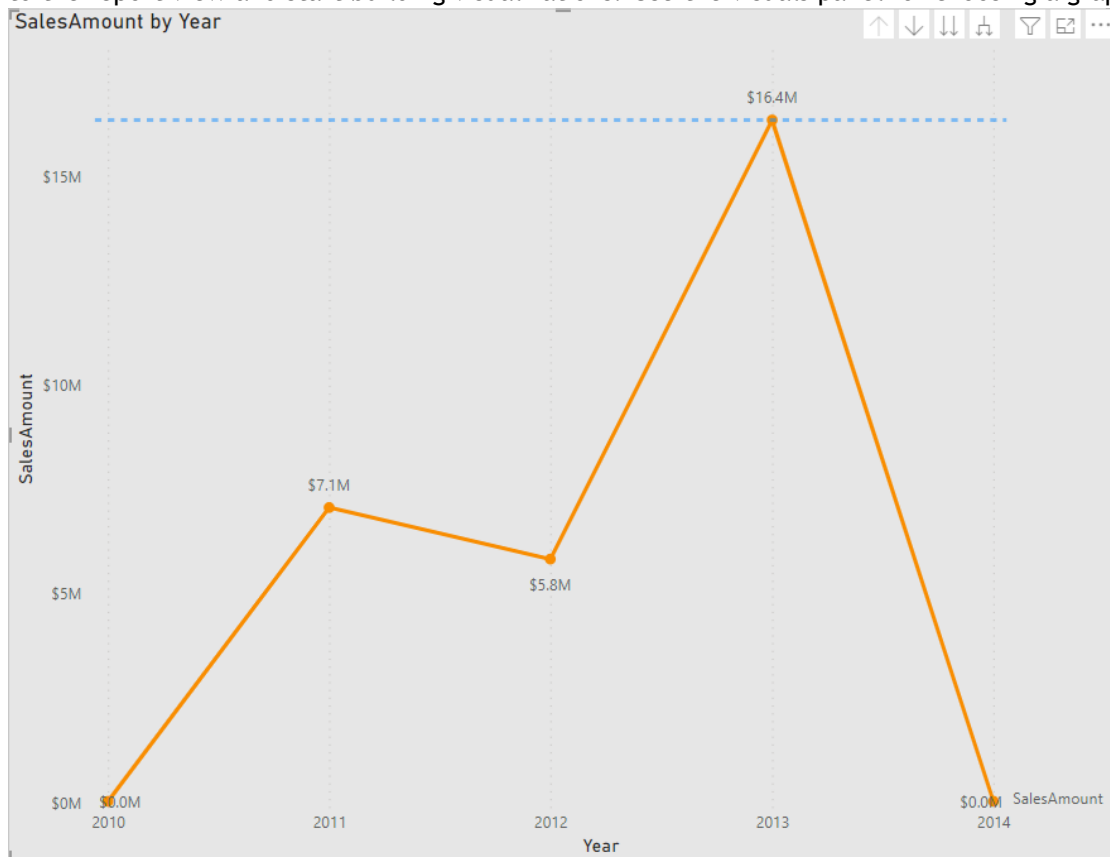
☐ Assume referential integrity

OK

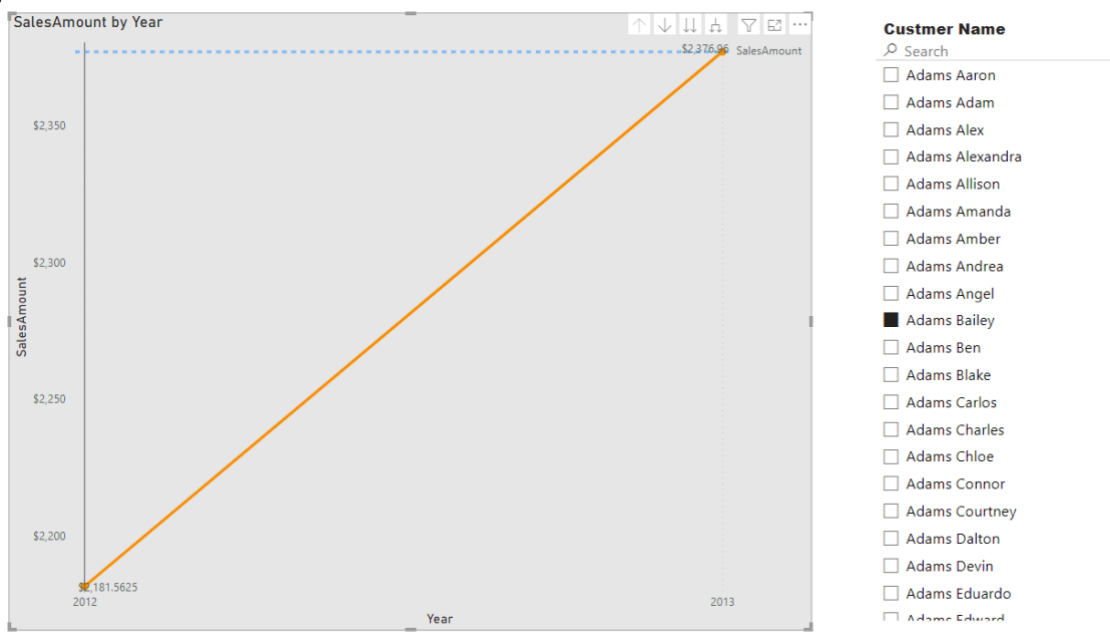
Cancel

1.2 WORKING WITH POWER BI REPORT

1. Switch to the report view and start building visualizations. Use the visuals panel for choosing a graph:



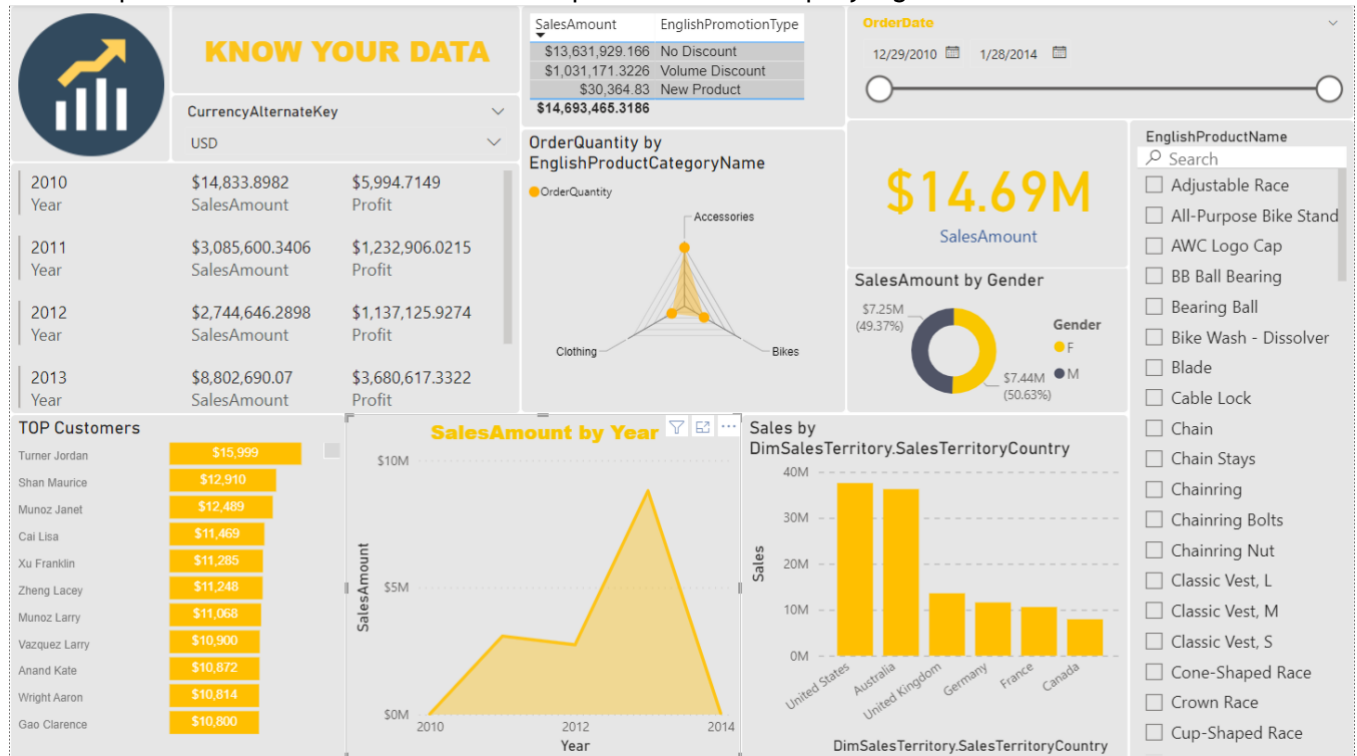
2. Adding slicer



2. CREATE LAB REPORT

Create a report based on the data loaded. The report should fulfill the following requirements:

1. The report should have a header with the report name and company logo.



2. The report should contain 3 different types of Slicers (Filters) - drop-down, list box and date filter.

List Box

EnglishProductName

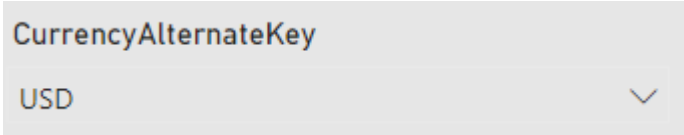
Search

- ☐ Adjustable Race
- ☐ All-Purpose Bike Stand
- ☐ AWC Logo Cap
- ☐ BB Ball Bearing
- ☐ Bearing Ball
- ☐ Bike Wash - Dissolver
- ☐ Blade
- ☐ Cable Lock

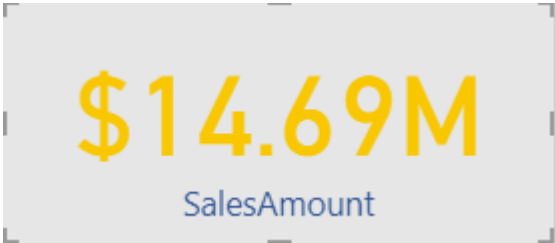
Date filter



Drop box



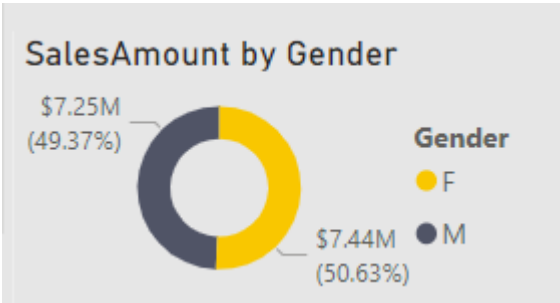
3. The report should contain at least 5 different visual types from the standard list and at least 2 custom visuals.
Card



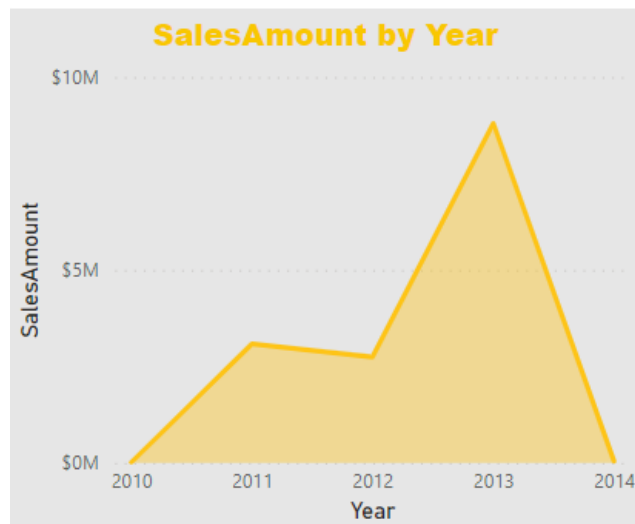
Multi-row card

2010 Year	\$8,839.1833 TotalProductCost	\$14,833.8982 SalesAmount	\$5,994.7149 Profit
2011 Year	\$1,852,694.3191 TotalProductCost	\$3,085,600.3406 SalesAmount	\$1,232,906.0215 Profit
2012 Year	\$1,607,520.3624 TotalProductCost	\$2,744,646.2898 SalesAmount	\$1,137,125.9274 Profit
2013 Year	\$5,122,072.7378 TotalProductCost	\$8,802,690.07 SalesAmount	\$3,680,617.3322 Profit

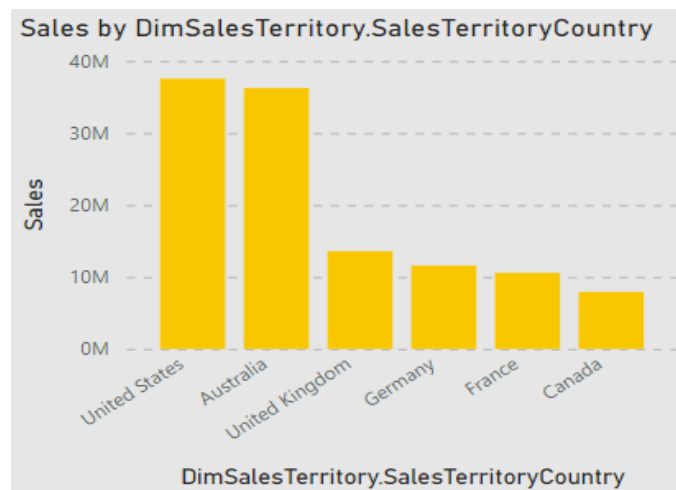
Donut chart



Stacked area chart



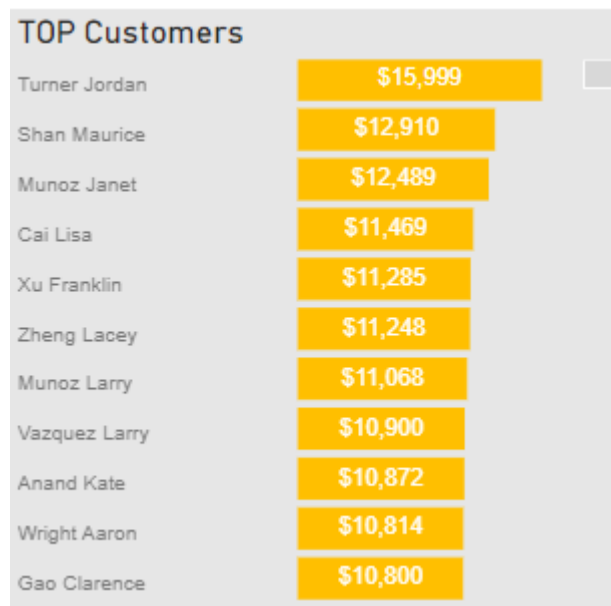
Clustered column chart



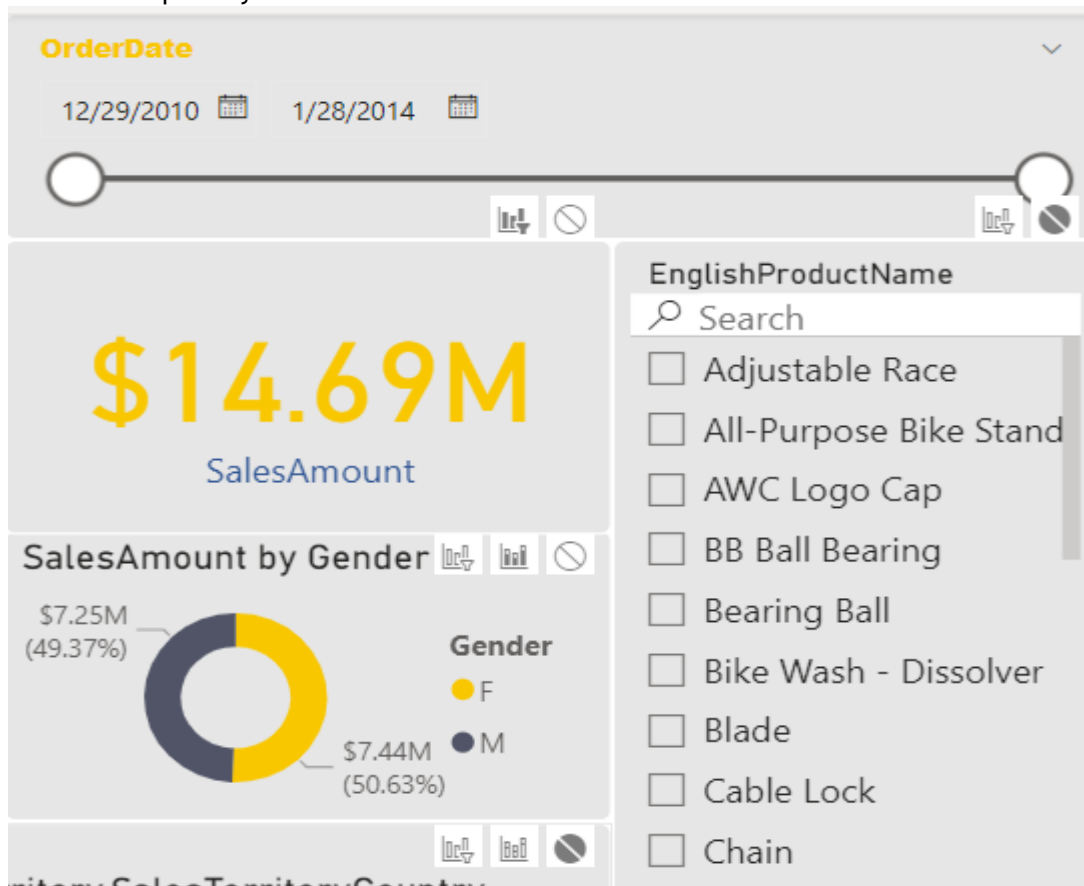
Radar Chart *Custom



Tornado chart *Custom



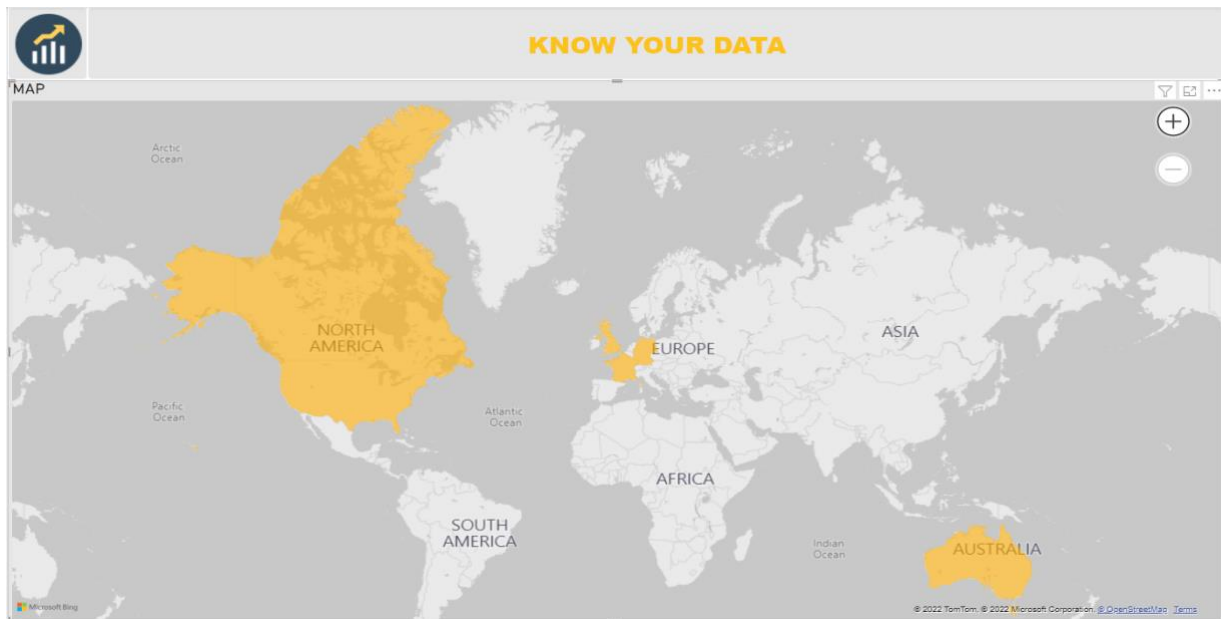
4. Disable interactions between one of the slicers and one of the visuals in your report. Don't forget to include a description of this step into your word document.



5. The report should be developed using a chosen color palette to be visually appealing - e.g The colors of the bars and lines in the chart should correspond to the logo colors.

DONE

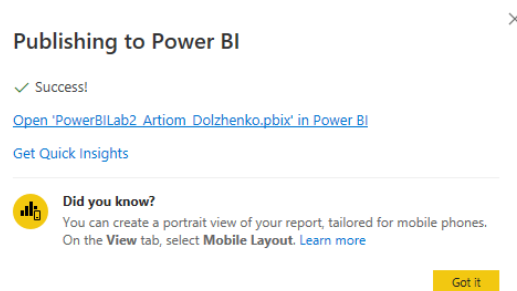
6. Add and configure a Map visual to the report. Add necessary tables from the AdventureWorks DWH if needed.



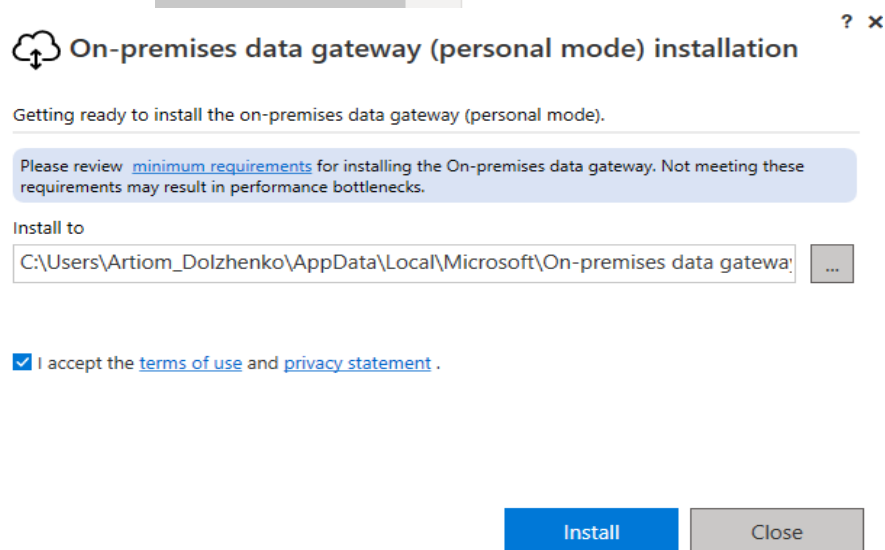
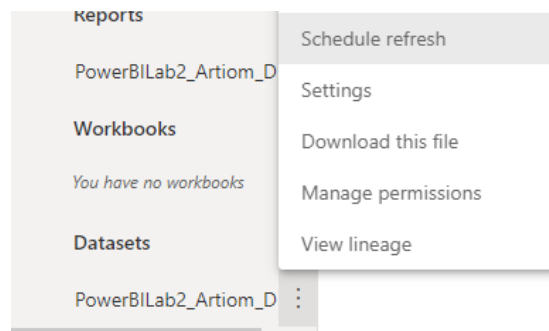
7. Configure mobile layout for your report.



8. Publish the report to Power BI Service Portal and include the screenshot of the published report into lab work results email.



9. Install Personal Gateway and configure data refresh once a day and include the screenshot into lab work results email.



⌵ Scheduled refresh

Keep your data up to date

Configure a data refresh schedule to import data

☒ On

Refresh frequency

Daily ▼

Time zone

(UTC+04:00) Tbilisi ▼

Time

11 ▼ 00 ▼ AM ▼ ✕

[Add another time](#)

Send refresh failure notifications to

☒ Dataset owner

☐ These contacts:

10. Share the report with your mentor and send email notification to him/her.

11. **Create and include into the lab report the URL link that will have a built-in filter in it (e.g., the link will open the report filtered by one Country)

https://app.powerbi.com/links/h_nTnW8Ywf?ctid=b41b72d0-4e9f-4c26-8a69-f949f367c91d&pb_source=linkShare&bookmarkGuid=0ccc4eac-a3cb-4444-9fb9-7ab38be02029



https://app.powerbi.com/links/h_nTnW8Ywf?ctid=b41b72d0-4e9f-4c26-8a69-f949f367c91d&pb_source=linkShare&bookmarkGuid=83b4238d-4f02-4d65-9c96-88f18e7463d2

