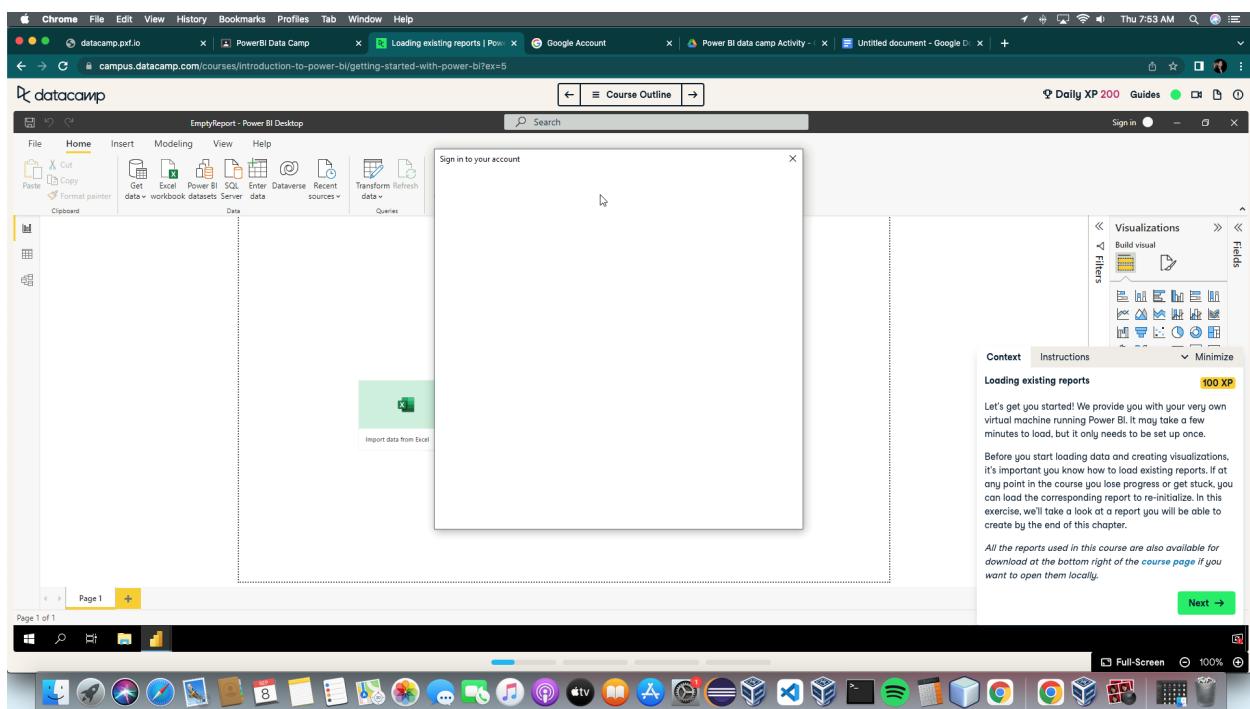
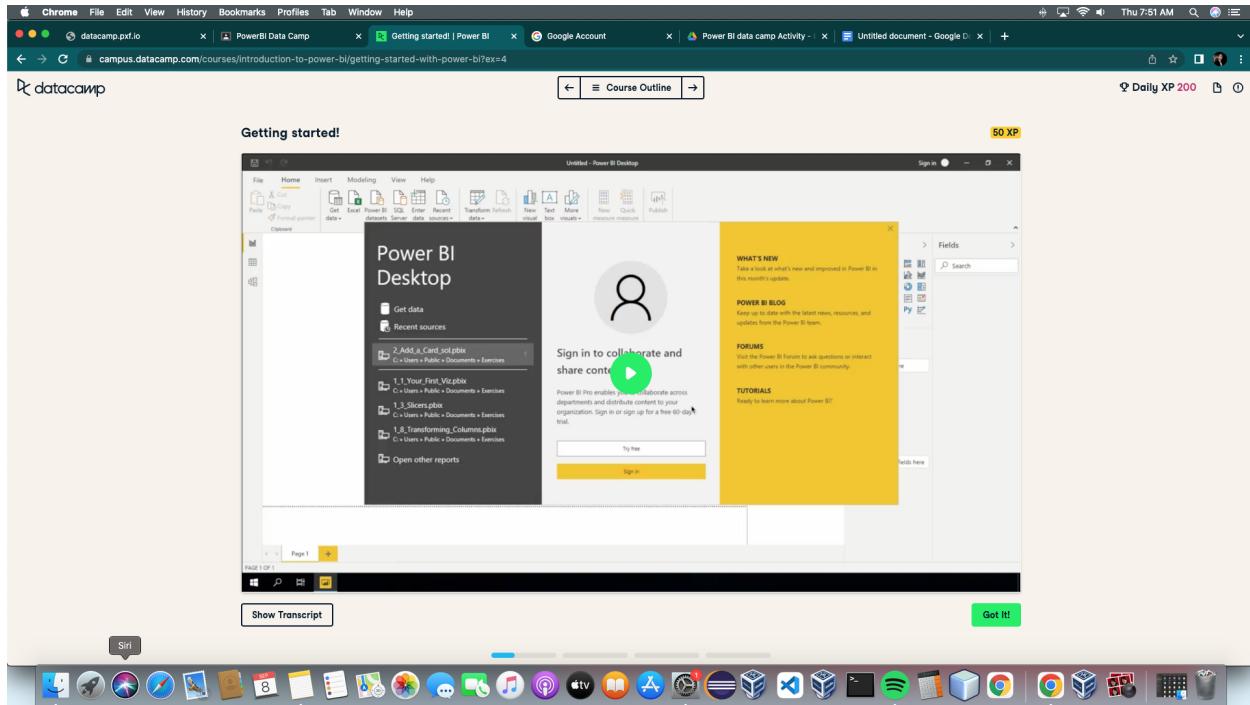


Gabriel Edrian A. Alvaro
ITBA 4107

PowerBI Data Camp Chapter 1 Activity



Chrome File Edit View History Bookmarks Profiles Tab Window Help

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Getting Started (1/4)

INTERACTIVE COURSE

Introduction to Power BI

Continue Course Bookmark

3 hours 13 Videos 39 Exercises 171,158 Participants 3,000 XP

Course Description

Gain a 360° overview of exploring and using Power BI to build impactful reports. In this course, you'll go from zero to hero as you discover how to use this popular business intelligence platform through hands-on exercises. Before diving into creating visualizations using Power BI's drag-and-drop functionality, you'll first learn how to confidently load and transform data using Power Query and the importance of data models. You'll also learn to drill down into reports and make your reports fully interactive. You've got the power!

1 Getting Started with Power BI FREE 36%

Discover how to navigate this intuitive tool and get to grips with Power BI's Data, Model, and Report views. You'll load multiple datasets in the Data view, build a data model to understand the relationships between your tables in Model view, and create your first bar graph and interactive map visualization in Report view. You'll also practice using Power Query Editor to prep your data for analysis.

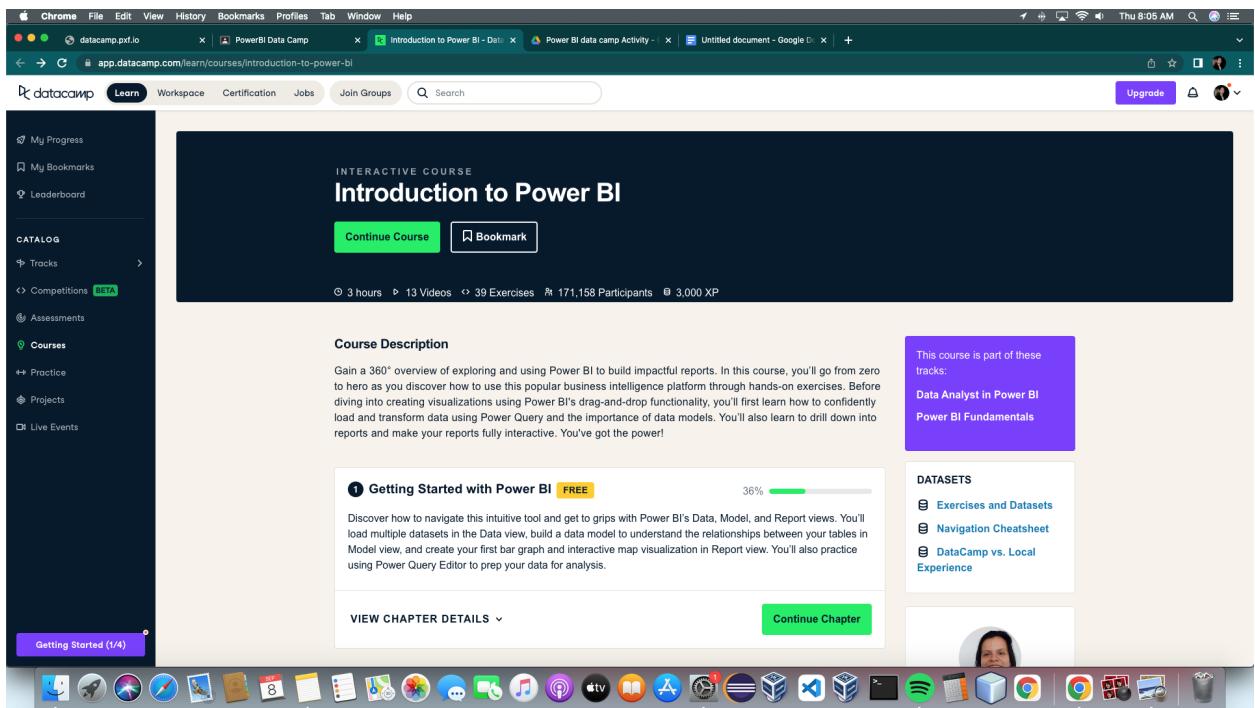
VIEW CHAPTER DETAILS Continue Chapter

This course is part of these tracks:

Data Analyst in Power BI
Power BI Fundamentals

DATASETS

Exercises and Datasets Navigation Cheatsheet DataCamp vs. Local Experience



The image consists of two screenshots of a Mac OS X desktop environment showing a web browser window.

The top screenshot shows the DataCamp profile page for "Gabriel Edrian Alvaro". The profile picture is a circular portrait of a man. The name "Gabriel Edrian Alvaro" is displayed below it. To the right, there is a sidebar titled "DATA CAMP JOBS Recommended For You" showing several job listings with blurred titles. Below the profile picture, there are sections for "About" (with a text input field and a "Share Profile" button) and "DataCamp Certifications" (with a link to "Visit Certification"). A "Workspace Publications" section is also visible. At the bottom, there is a "Data Skills Overview" section with tabs for "SKILL" and "SCORE".

The bottom screenshot shows the "Account Settings" page. The left sidebar lists options: General, Subscription, Notifications, Social, Password, Emails, and More. The main area contains fields for First Name (Gabriel Edrian), Last Name (Alvaro), Email (gabrieledrian.alvaro@g.batstate-u.edu.ph), and Phone. There are also fields for Location, Company/school, and Role. A "Upload New Picture" button is located above the first name field. At the top of this window, there is a "WE'RE HIRING" banner, a search bar, and a "Go To My Dashboard" button.

Course 1: Introduction to Power BI

Imported the 1_0_Making Maps.pbix and started working with the course instructions. This is the first fact date to use.

1.0_making_maps - Power BI Desktop

File Home Insert Modeling View Help Format Data / Drill Table tools

Name: FactSale

Mark as date table + Relationships Calculations

Quantity, Total Dry Items and Total Chiller Items

Quantity • Total Dry Items • Total Chiller Items

350K
300K
250K
200K
150K
100K
50K
0K

2013 2014 2015 2016

Calendar Year

Sales Data

\$375.95 Profit

Employee All

Employee Description Quantity Total Including Tax Sum of Profit

Amy Trefl	10 mm Anti static bubble wrap (Blue)	450	\$13,455.00	\$4,050.00
	10m			
Amy Trefl	10 mm Anti static bubble wrap (Blue)	680	\$32,844.00	\$12,920.00
	20mm			
Total		1028670	\$22,855,077.65	\$9,923,891.70

Visualizations Fields

Build visual Search

- Bill To Customer...
- City Key
- Customer Key
- Delivery Date Key...
- Description
- Invoice Date Key
- Lineage Key
- Package

Context Instructions Minimize

Your first visualization 100 XP

Time to start loading your own data!

In this exercise, FactSale.csv has been loaded and there is already a bar chart with the quantity of items ever sold by Wide World Importers (WWI). This would be more meaningful if we segmented the graph into years. Let's load another data file that contains that information.

Note that you can use the undo-button in the top left corner to undo any edits you made.

Next →

Sales Data Page 1

Page 1 of 2

Full-Screen 100%

Imported the 1_1_your first viz.pbix data fact to the powerBI

1.1_your_first_viz - Power BI Desktop

File Home Insert Modeling View Help

Cut Copy Format painter

Get data from Power BI, SCD, Enter Dataverse data, Recent sources, Transform Refresh, New visual, Text box, More visuals, New quick measure, Calculations, Sensitivity, Publish

Clipboard

Quantity of Items Sold

Quantity

1.0M
0.8M
0.6M
0.4M
0.2M
0.0M

Page 1

Visualizations Fields

Build visual Search

Add data fields here

Values

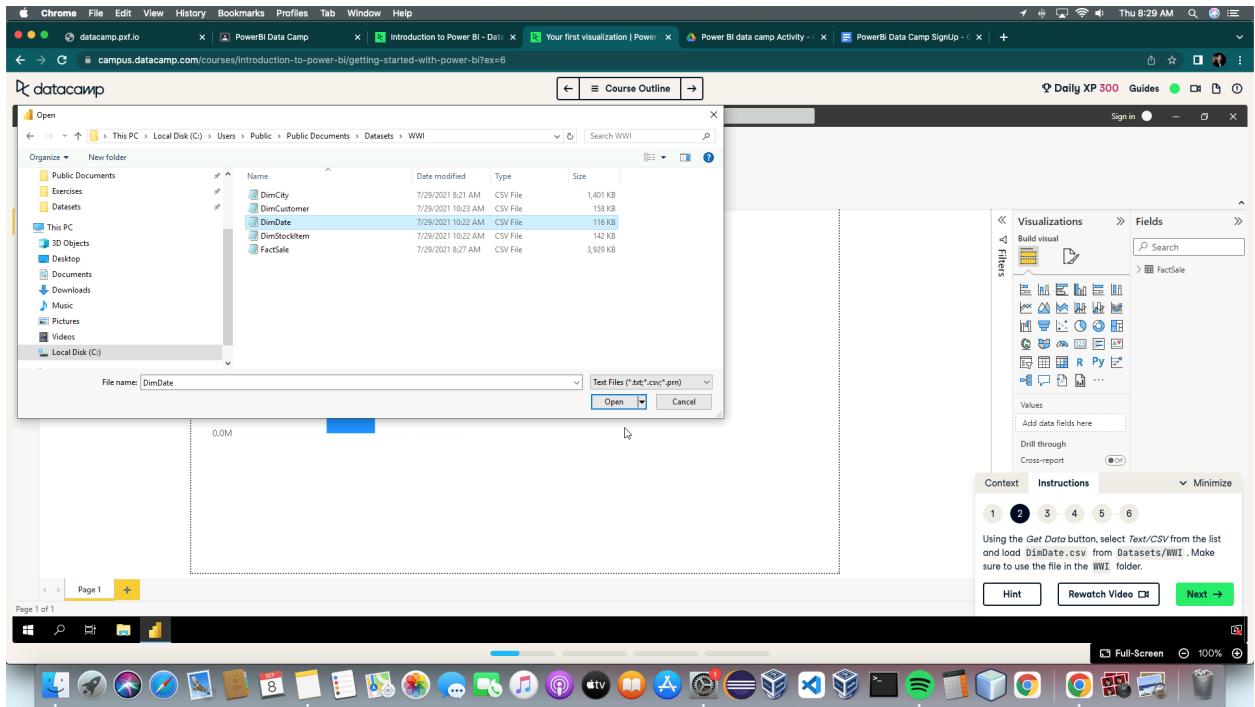
Context Instructions Minimize

1 2 3 4 5 6

- Open 1_1_your_first_viz.pbix from the Exercises folder on the desktop.
- Make sure to close any reports from earlier, as having too many reports open will decrease the speed of the machine.

Hint Rewatch Video Next →

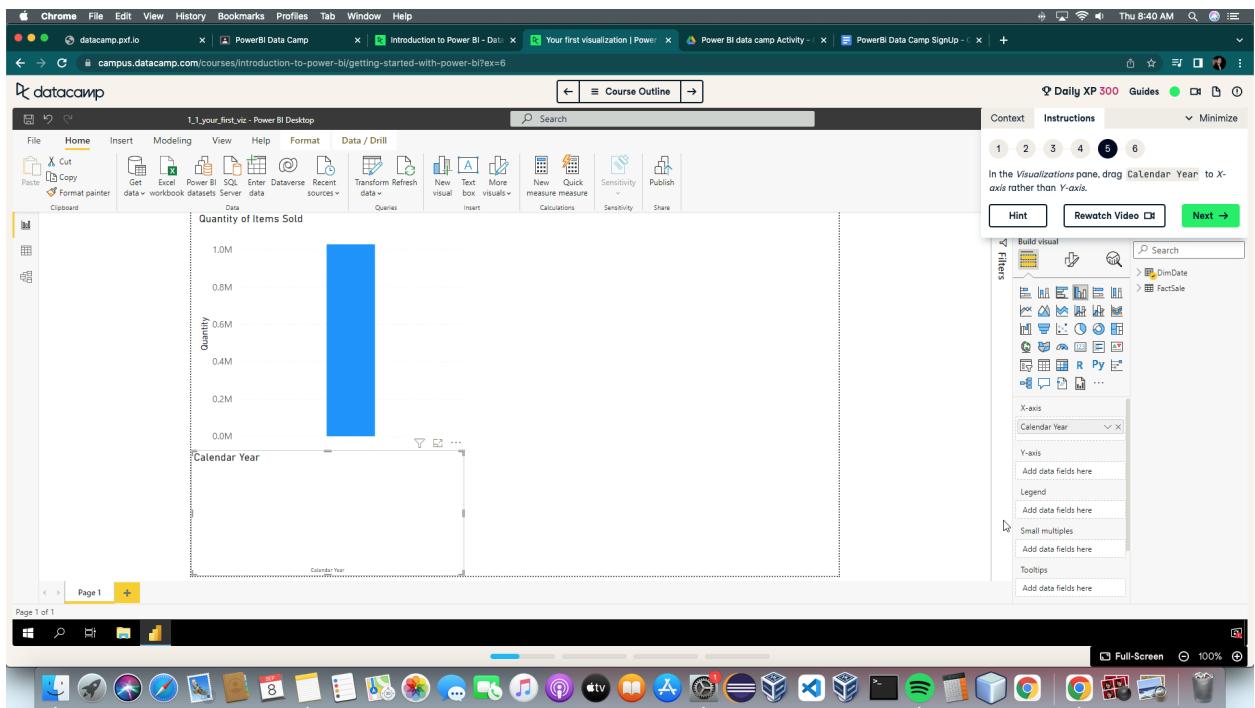
Full-Screen 100%



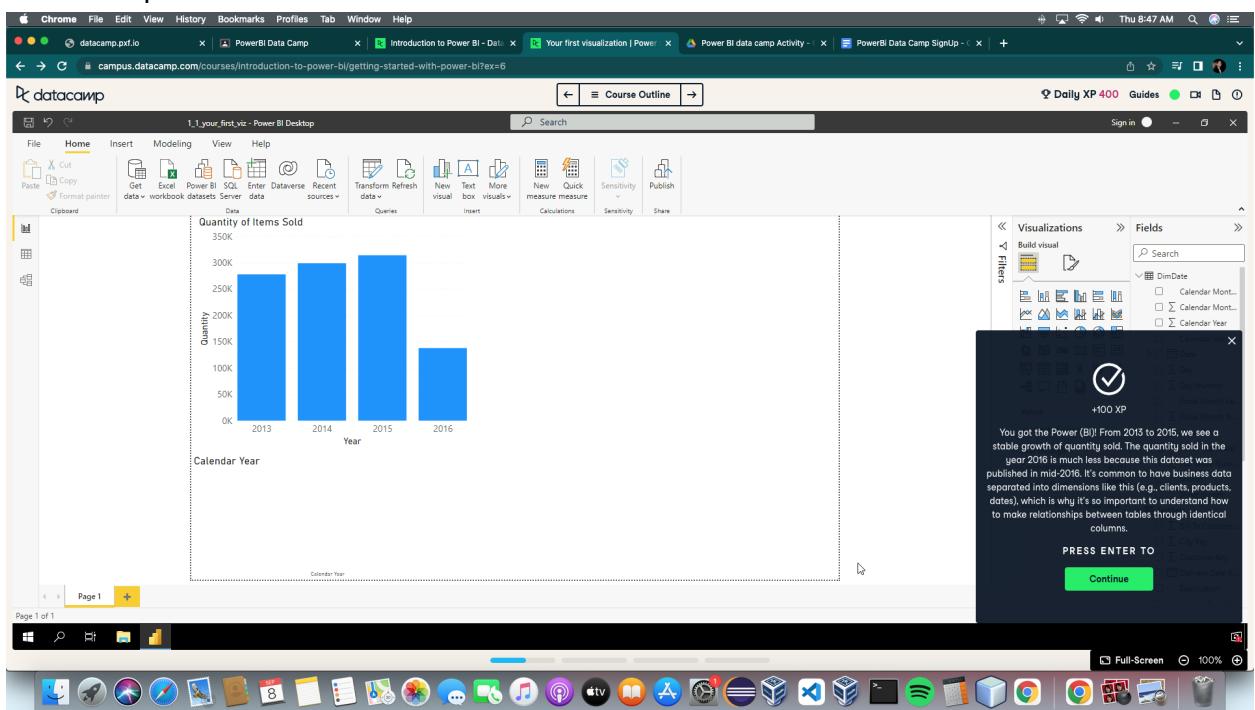
Create a relationship between invoice_date_key and Dim date's Date

The screenshot shows the Power BI Desktop interface in the 'Model' view. Two tables are visible: 'FactSale' and 'DimDate'. A relationship is being established between the 'Invoice Date Key' in 'FactSale' and the 'Date' in 'DimDate'. The 'Properties' pane on the right shows the configuration for this relationship, including the names of the keys and the data type. The 'Instructions' pane at the bottom provides a step-by-step guide for creating the relationship.

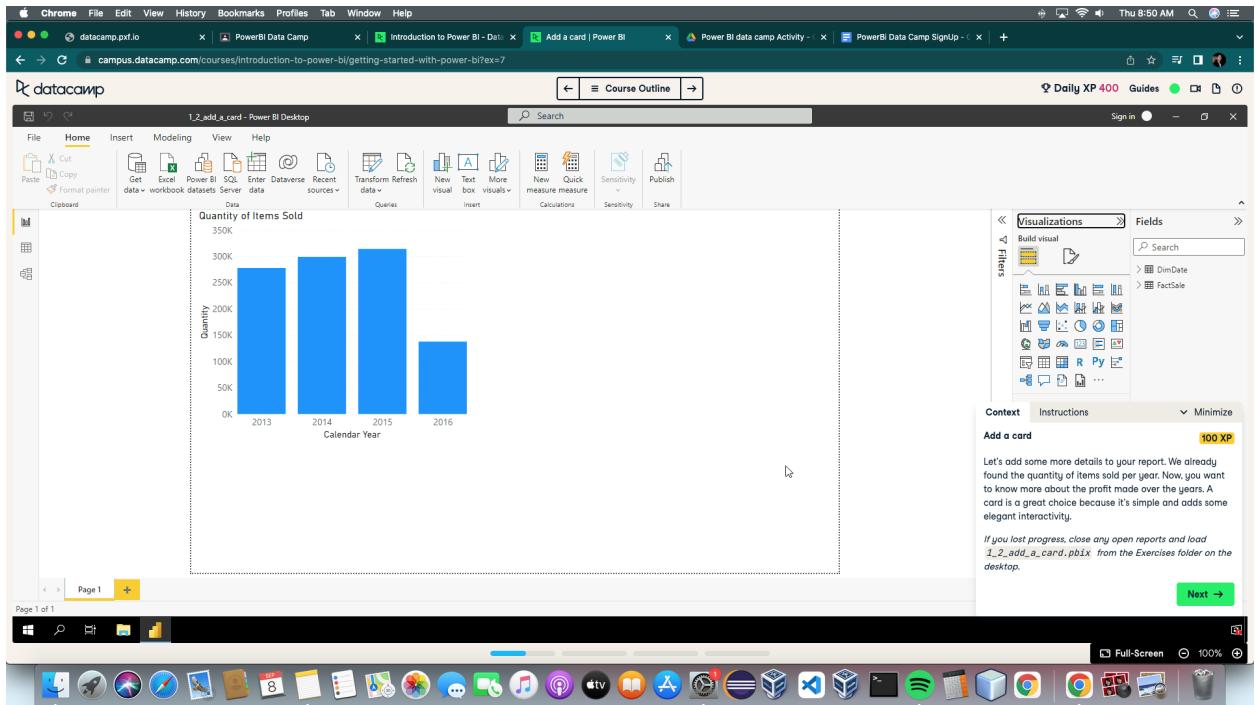
Dragged Calendar Year to the X axis rather than y axis on the visualizations pane.



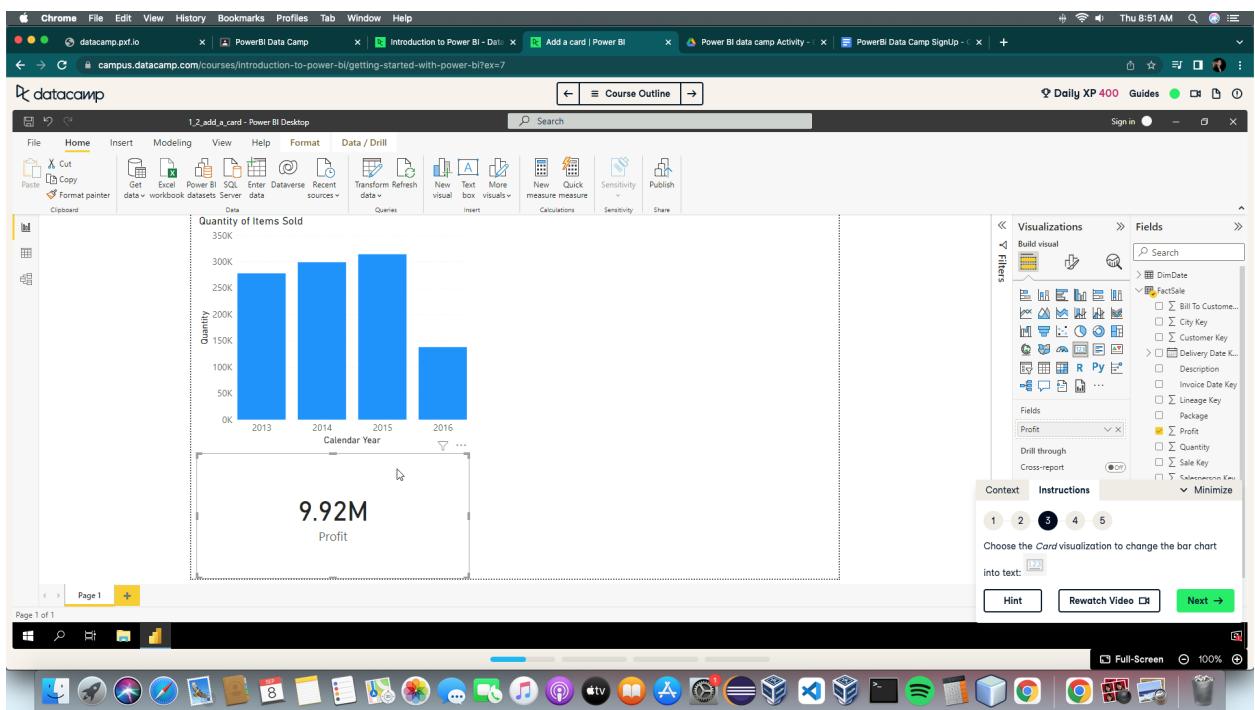
Plus 100 Xp



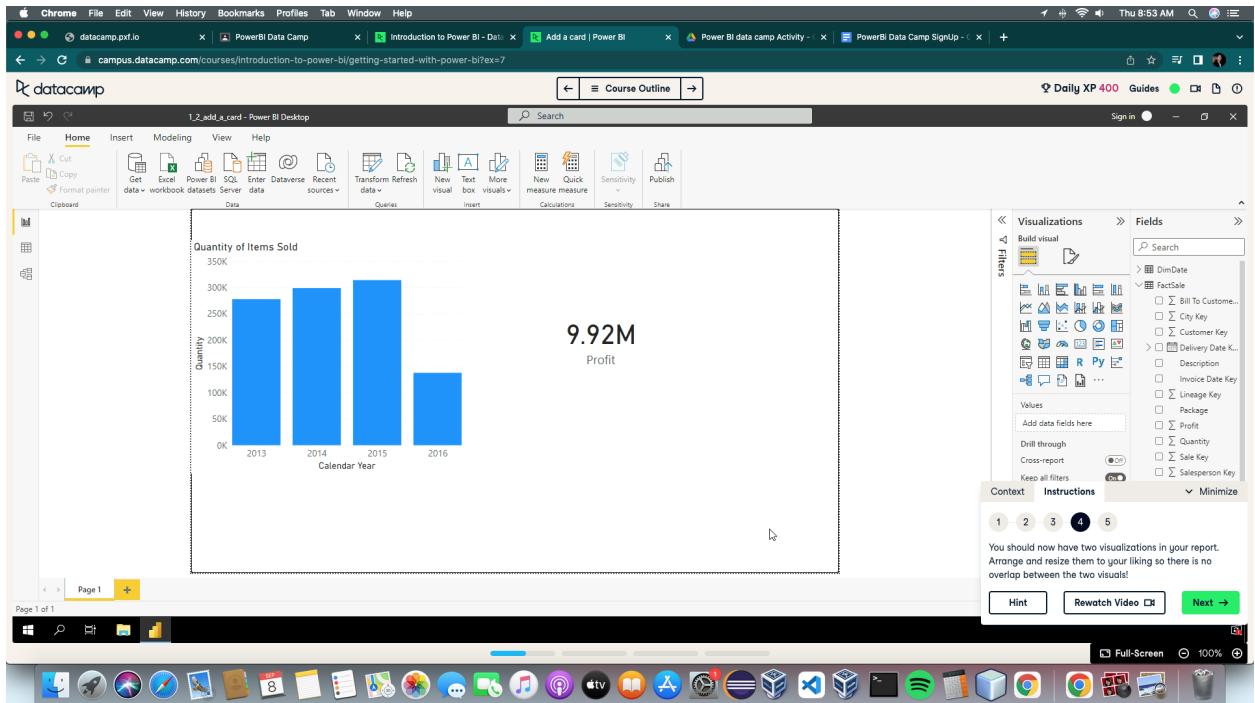
Imported Add a card.pbix data fact...



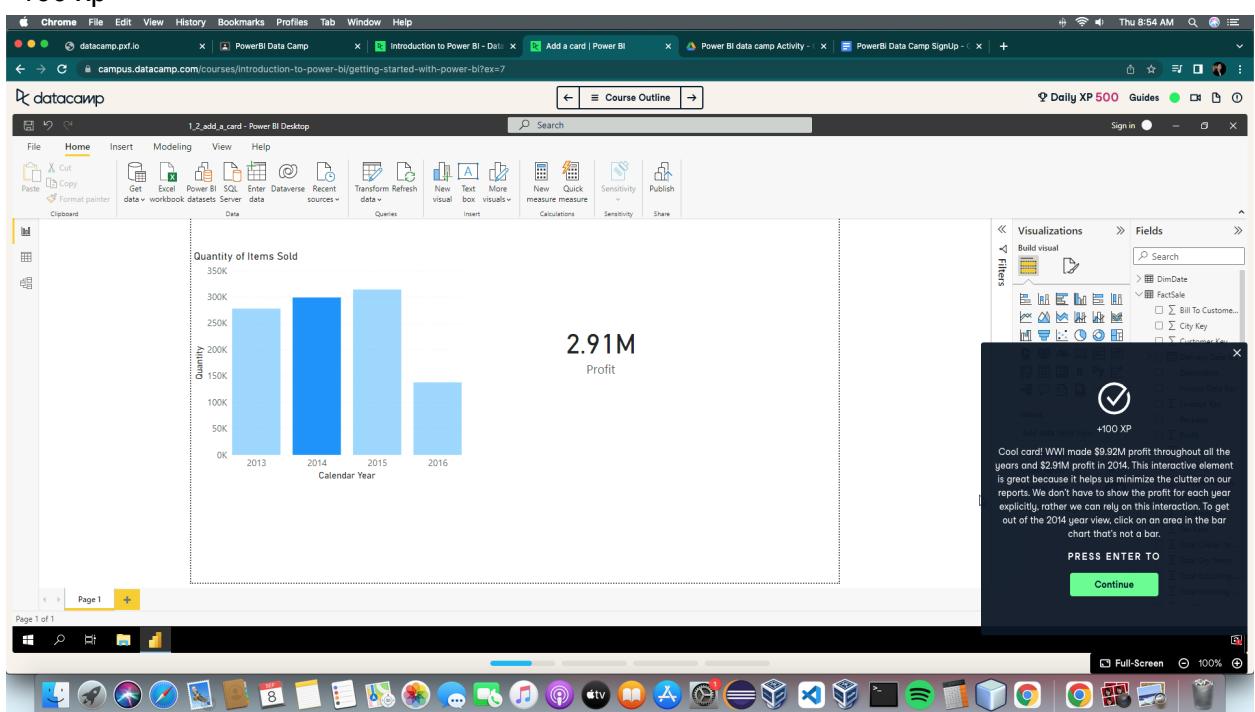
Create a Card for Profit data



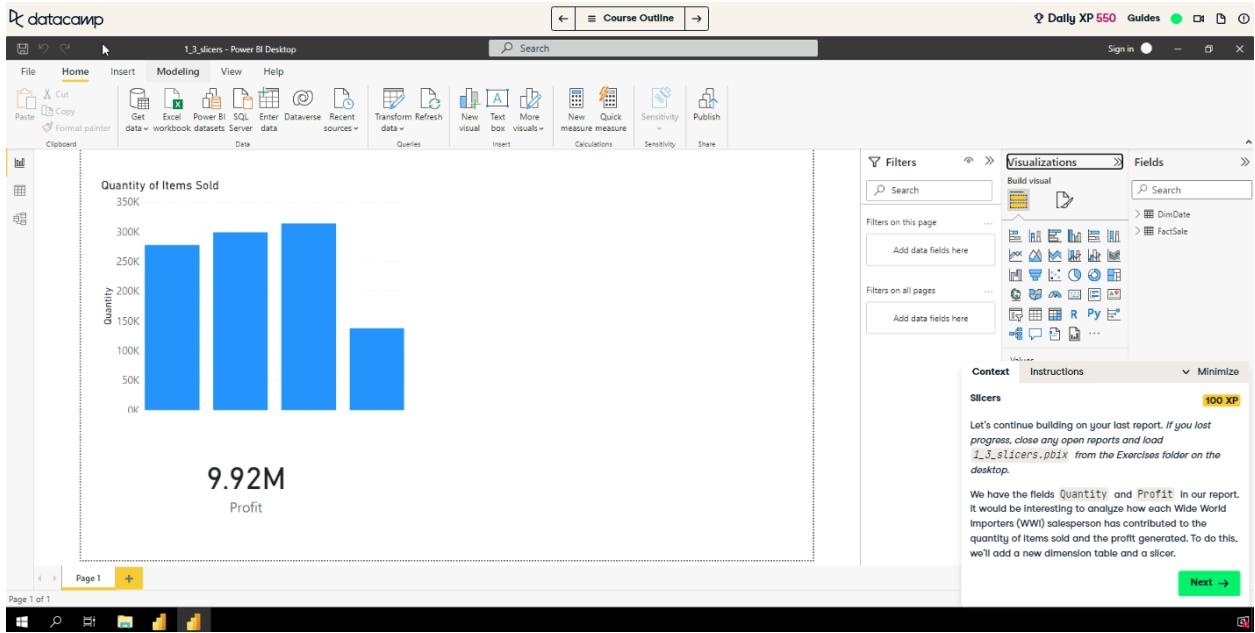
Arrange the presentations to my liking..



+100 xp



Imported 1_3_slicers.pbix...



Load the Excel file DimEmployee.xlsx from Datasets/WWI

Fields

- DimDate
- DimEmployee
- FactSale

Filters

Filters on this visual
Profit (All)

Filters on this page
Add data fields here

Filters on all pages
Add data fields here

Context **Instructions** **Minimize**

1 2 3 4 5

Load the Excel file DimEmployee.xlsx from Datasets/WWI using the Excel workbook button on the top menu. This is located next to the Get data option.

Hint **Rewatch Video** **Next →**

Created a relationship between FactSale's Salesperson Key and DimEmployee's Employee key..

Properties

Show the database in the header when applicable
No

Show related fields when card is collapsed
Yes

Pin related fields to top of card
No

Context **Instructions** **Minimize**

1 2 3 4 5

Create a relationship between FactSale's Salesperson Key and DimEmployee's Employee Key.

Hint Rewatch Video Next →

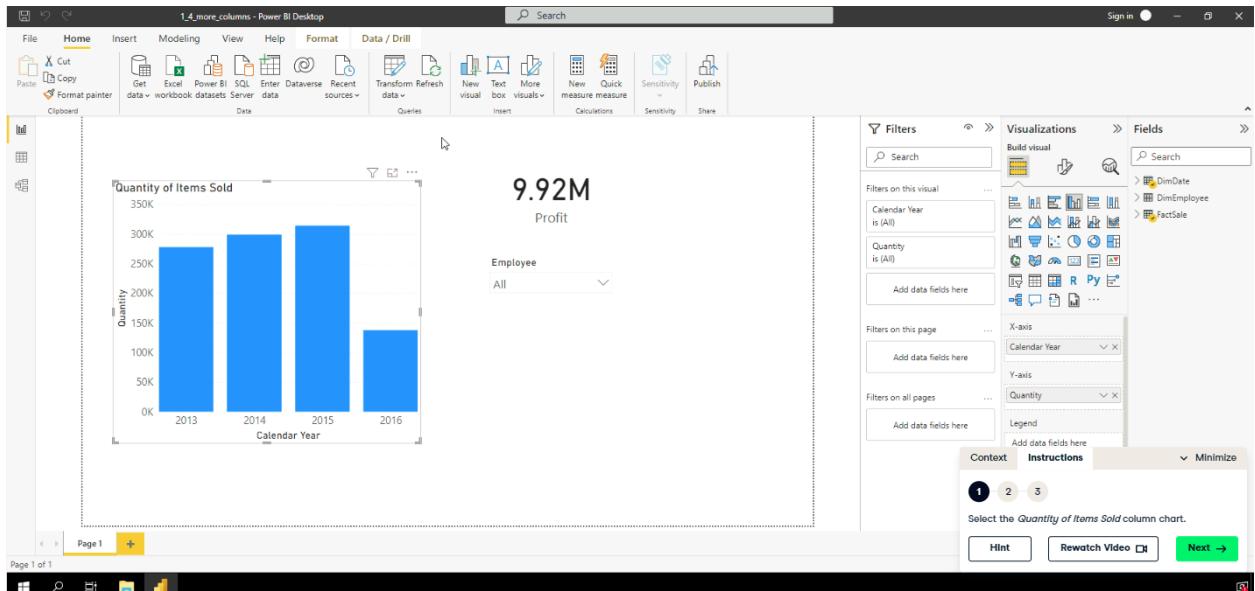
Plus 100XP

Visualizations

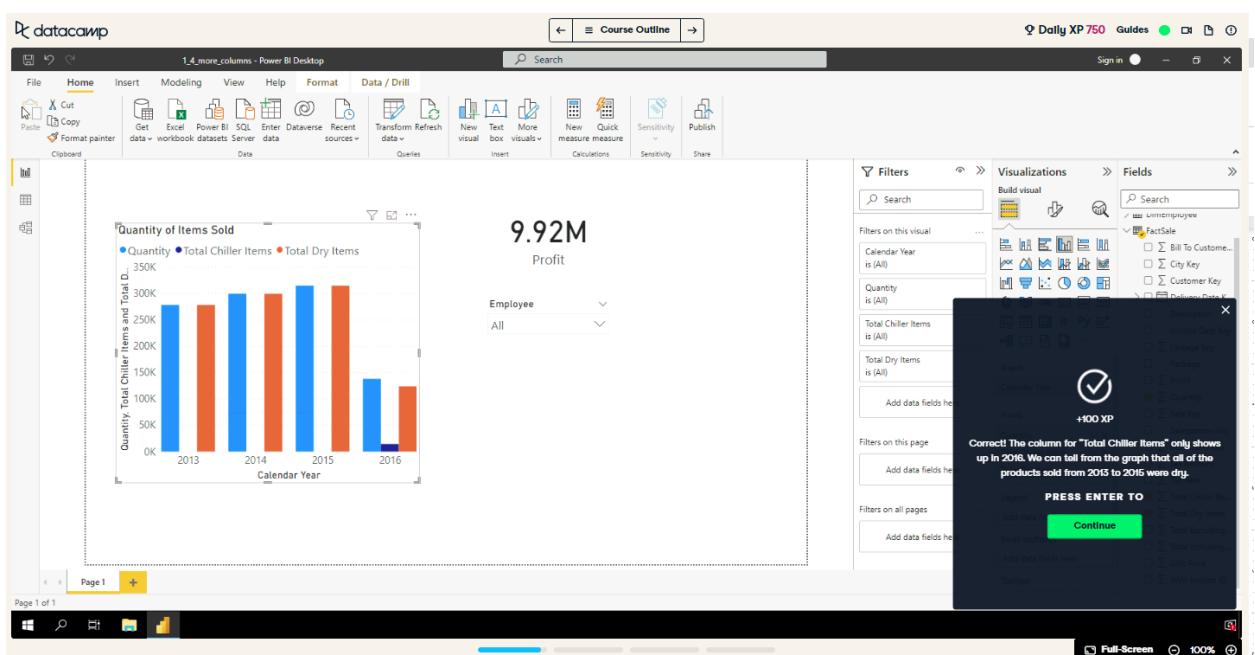
Right on! We used the slicer to filter on salesperson, the bar chart to select the year, and the card to interpret the profit made by Taj Shand in 2014. Think about the other possibilities – filtering on location, price, product type, the list goes on!

PRESS ENTER TO Continue

Load the 1_4_more_columns.pbix..



+100 XP



Loaded the 1_5_table.pbix

datacamp

1.5_table - Power BI Desktop

File Home Insert Modeling View Help

Cut Copy Format painter

Get data > workbook datasets Server data

Recent sources >

Transform Refresh data >

New visual Text box More visuals >

Insert Calculations Sensitivity Share

Quantity of Items Sold

Employee All

9.92M Profit

Quantity, Total Dry Items and Tot.

0.3M
0.2M
0.1M
0.0M

2013 2014 2015 2016

Calendar Year

Filters

Visualizations Fields

Build visual

DimDate DimEmployee FactSale

Filters on this page Add data fields here

Filters on all pages Add data fields here

Values Add data fields here

Drill through Instructions Context Minimize

Table 100 XP

Let's add a table to our report with the details of sales transactions. With the interactivity of Power BI this will allow us to see examples of sales based on our selection.

If you lost progress, close any open reports and load `1.5_table.pbix` from the Exercises folder on the desktop.

Next →

Page 1 of 1 Full-Screen 100%

+100XP

datacamp

1.5_table - Power BI Desktop

File Home Insert Modeling View Help Format Data / Drill

Cut Copy Format painter

Get data > workbook datasets Server data

Recent sources >

Transform Refresh data >

New visual Text box More visuals >

Insert Calculations Sensitivity Share

Sales Data

140.27K Profit

Quantity, Total Dry Items and Tot.

40K
30K
20K
10K
0K

2013 2014 2015 2016

Calendar Year

Employee Sophia Hinton

Filters

Visualizations Fields

Build visual

FactSale

Description is (All)

Employee is (All)

Profit is (All)

Quantity is (All)

Total Including Tax is (All)

Add data fields here

Filters on this page Add data fields here

Filters on all pages Add data fields here

Columns

Rows

Table 100 XP

Terrific table! This table has many rows and we don't intend on making our audience read through all of them. The more we filter, the fewer rows. Also the context is useful through example transactions. For example, from the "Description" field we see that WWI sells a variety of items from chocolate, bubble wrap to slippers!

PRESS ENTER TO Continue

Page 1 of 1 Full-Screen 100%

+850

Done Chapter 1

The screenshot shows the Power BI Desktop interface with a bar chart titled "Sales Data". The chart displays "Quantity" and "Profit" for the years 2013, 2014, 2015, and 2016. A modal dialog box in the center says "Good Job!" and states: "You have completed Chapter 1, 'Getting Started with Power BI'." Below it, a question asks "How would you rate this chapter?" with a 5-star rating. To the right, there's a sidebar with filters for "Description", "Employee", "Profit", "Quantity", and "Total Including Tax". A tooltip on the sidebar says "+100 XP" and provides feedback: "Terrific table! This table has many rows and we don't intend on making our audience read through all of them. The more we filter, the fewer rows. Add the context is useful through example transactions. For example, from the 'Description' field we see that WWI sells a variety of items from chocolate, bubble wrap to slippers!" At the bottom right of the sidebar is a "Continue" button.