

Week 3 – Business Analytics Fundamentals – Sydney Campus



1. Summary of Lecture 1
2. Tutorial Week 2
3. Key assessment dates
4. Attendance & Tutorial Questions - Recognising student participation and engagement specifically identifying those who are most actively involved!

Lecturer/Tutor: Dr. Farshid Keivanian

The tutorial for Week 2 of Business Analytics Fundamentals at the Sydney Campus dives into the practical use of business analytics with an emphasis on PivotTables in Excel. Students will learn how to set up, structure, and utilize PivotTables to analyze and report on business data effectively. The course illustrates these concepts through an example involving "Aussie Retailers Ltd." and how they use transactional data for inventory management and customer service optimization. Key skills taught include data organization, aggregation, dynamic analysis, and data visualization through PivotTables. The tutorial also covers concepts such as drill-up, drill-down, drill-through, and slice and dice for multidimensional reporting.

Internal Use Only

Group set up - INTERNAL
USE

Subject Management

Control Panel

Content Collection

Subject Tools

Student Tracking

Grade Centre

Needs Grading

Full Grade Centre

Gold Coast

Melbourne

Sydney

Users and Groups
















Groups

Users

Customisation

Guest and Observer Access

Tool Availability

USERNAME	FIRST NAME	LAST NAME	EMAIL	ROLE
 uqt2020	Radhika	.	UQT2020@my.holmes.edu.au	Student
 azz2333	Jaswant	.	AZZ2333@my.holmes.edu.au	Student
 iva2050	Khyati	.	IVA2050@my.holmes.edu.au	Student
 emv39666	Priyanka	.	EMV39666@my.holmes.edu.au	Student
 gae5000	Navdeep	.	GAE5000@my.holmes.edu.au	Student
 ssp5005	Nancepreet	.	SSP5005@my.holmes.edu.au	Student
 aaei3003	Kajal	.	AAEI3003@my.holmes.edu.au	Student
 azz36919	Shivani	.	AZZ36919@my.holmes.edu.au	Student
 bic3426	Anudeep	.	BIC3426@my.holmes.edu.au	Student
 dan3053	Harpreet	.	DAN3053@my.holmes.edu.au	Student
 smgr3021	Amit	.	SMGR3021@my.holmes.edu.au	Student
 spg3009	Ramandeep	.	SPG3009@my.holmes.edu.au	Student
 spg5028	Parminder	.	SPG5028@my.holmes.edu.au	Student
 upo8000	Davinder	.	UPO8000@my.holmes.edu.au	Student
 sscs3033	Navjot	.	SSCS3033@my.holmes.edu.au	Student

This is a table showing the

1. Summary of Lecture 1

- The first lecture introduces the role of business analytics in understanding and enhancing business processes through data-driven decision-making. Key topics include the characteristics of business data, the distinction between operational and management reports, and the role of information systems in managing business processes. It also highlights various data sources such as transactional data, human-generated data, and sensor data. A significant emphasis is placed on the structure and use of data in reports, explaining the importance of measures, benchmarks, and key performance indicators (KPIs) for assessing business performance.

1. Summary of Lecture 1: A Practical Example in Australia

- An Australian retail company, "Aussie Retailers Ltd.," utilizes business analytics to optimize its inventory management and customer service. By analyzing transactional data from sales across their stores in Sydney, Melbourne, and Brisbane, they generate management reports that help them understand purchasing trends and customer preferences. These reports compare current sales data to historical data to identify trends, allowing them to tailor their inventory to regional preferences and seasonal demand. Additionally, by leveraging operational reports on daily sales and inventory levels, store managers can make real-time decisions to reorder stock or launch promotions to maximize revenue. The data-driven approach helps Aussie Retailers maintain a competitive edge by ensuring they meet customer needs effectively while managing their supply chain efficiently.
- This example illustrates how business analytics can be practically applied to improve business processes and decision-making within an Australian context.

2. Tutorial Week 2: Concepts

PivotTables: PivotTables are a powerful feature in spreadsheet software like Microsoft Excel or Google Sheets that allow users to summarize and analyze large datasets quickly and efficiently. They work by reorganizing and summarizing selected columns and rows of data into a more digestible format without altering the original dataset. Microsoft Excel requires us to convert the data to table format before we can apply the PivotTable features. In Table format we can perform some simple formatting, such as Filtering to improve the report.

Here's how PivotTables work:

Data Organization: PivotTables allow users to organize and summarize data based on different criteria such as categories, dates, numerical values, etc. Users can choose which columns and rows of data to include in the PivotTable and how they want to arrange and summarize that data.

Aggregation: PivotTables provide various options for aggregating data, including sum, count, average, minimum, maximum, etc. Users can choose the appropriate aggregation function based on the type of data being analyzed.

2. Tutorial Week 2: Concepts

Dynamic Analysis: One of the key advantages of PivotTables is their dynamic nature. Users can easily rearrange the layout of the PivotTable, change the criteria for summarization, and apply filters to focus on specific subsets of data. This flexibility allows for interactive and exploratory data analysis.

Summarization: PivotTables automatically group and summarize data based on the criteria chosen by the user. For example, if you have a dataset with sales data by region, product, and date, you can use a PivotTable to quickly summarize total sales by region and product, or analyze sales trends over time.

Visualization: PivotTables can also be used to create visualizations such as charts and graphs to further explore and communicate insights from the data. These visualizations can help users identify patterns, trends, and outliers more easily.

2. Tutorial Week 2: Concepts

PivotTables are incredibly useful for summarizing large datasets because they allow users to:

- Quickly summarize and analyze large volumes of data without the need for complex formulas or manual calculations.
- Easily rearrange and explore different views of the data to gain insights from different perspectives.

Create dynamic reports and dashboards that can be updated easily as new data becomes available.

- Preserve the integrity of the original dataset since PivotTables do not alter the underlying data—they simply provide a summary and analysis of it.

Overall, PivotTables are a powerful tool for data analysis and reporting, enabling users to extract meaningful insights from large datasets in a flexible and efficient manner.

2. Tutorial Week 2: Exercises

Setting Up a PivotTable

1. **Open Excel Workbook:** Start with the provided '**PivotTable.xlsx**' file. Ensure you understand the layout and data.
2. **Convert Data to Table:**
 - Select any cell within the data range and navigate to **Insert > Table**.
 - Ensure the 'My table has headers' option is checked in the dialog box that appears, then click OK.
3. **Inserting a PivotTable:**
 - Navigate to **Insert > PivotTable**.
 - Choose the table or range as the data you just formatted as a table.
 - Decide whether to place the PivotTable in a new worksheet or an existing one, then click OK.

2. Tutorial Week 2: Exercises

Configuring the PivotTable Field List Setup:

1. Open your Excel Workbook.

- Navigate to the worksheet containing your data or where you plan to insert the PivotTable.

2. Insert a PivotTable:

- Select your data range.
- Go to the Insert tab and click on PivotTable.
- Choose where you want the PivotTable to be placed (new worksheet or existing worksheet).

3. Setup the PivotTable Field List:

- Once the PivotTable is created, the PivotTable Field List pane will appear on the right side of your Excel window.
- You can drag and drop fields into four different areas: Filters, Columns, Rows, and Values.

2. Tutorial Week 2: Exercises

A	B	C	D	E	F	G	H
Sales Organisation ▼	Material # ▼	Material ▼	Distribution Channel ▼	Month/Year ▼	Quantity ▼	Revenue ▼	Currency ▼
Sydney	CB-0010	7 Gear	IN	Jan-06	8	10655.31	AUD
Sydney	CB-0010	7 Gear	IN	Feb-06	9	11987.22	AUD
Sydney	CB-0010	7 Gear	IN	Mar-06	11	14651.05	AUD
Sydney	CB-0010	7 Gear	IN	May-06	61	81246.74	AUD
Sydney	CB-0010	7 Gear	IN	Jun-06	43	57272.29	AUD
Sydney	CB-0010	7 Gear	IN	Jul-06	34	45285.07	AUD
Sydney	CB-0010	7 Gear	IN	Aug-06	26	34629.76	AUD
Sydney	CB-0010	7 Gear	IN	Sep-06	18	23974.45	AUD
Sydney	CB-0010	7 Gear	IN	Oct-06	10	13319.14	AUD
Sydney	CB-0010	7 Gear	WH	Jan-06	9	11308.7	AUD
Sydney	CB-0010	7 Gear	WH	Jun-06	43	54030.46	AUD
Sydney	CB-0010	7 Gear	WH	Jul-06	21	26386.97	AUD
Sydney	CB-0010	7 Gear	WH	Aug-06	32	40208.72	AUD
Sydney	CB-0010	7 Gear	WH	Nov-06	7	8795.66	AUD
Sydney	CB-0010	7 Gear	WH	Dec-06	6	7539.13	AUD
Sydney	CB-0011	Stream N3 28	IN	Jan-06	5	2277.02	AUD
Sydney	CB-0011	Stream N3 28	IN	Feb-06	12	5464.85	AUD
Sydney	CB-0011	Stream N3 28	IN	Mar-06	11	5009.44	AUD
Sydney	CB-0011	Stream N3 28	IN	Apr-06	35	15939.14	AUD
Sydney	CB-0011	Stream N3 28	IN	May-06	40	18216.16	AUD
Sydney	CB-0011	Stream N3 28	IN	Jun-06	43	19582.37	AUD
Sydney	CB-0011	Stream N3 28	IN	Aug-06	22	10018.89	AUD
Sydney	CB-0011	Stream N3 28	IN	Sep-06	24	10929.7	AUD
Sydney	CB-0011	Stream N3 28	IN	Oct-06	10	4554.04	AUD

2. Tutorial Week 2: Exercises

AutoSave Off

File Home **Insert** Page Layout Formulas Data Review View Automate Help Acrobat Table Design

PivotTable Recommended PivotTables Table

Pictures Shapes Icons SmartArt Screenshot Illustrations

3D Models

Recommended Charts Charts

Maps PivotChart

From Table/Range

From

PivotTable from table or range.
Create a PivotTable using data in a table or range.

					Distribution Channel	Month/Year	Quantity	Revenue	Currency
2	Sydney				IN	Jan-06	8	10655.31	AUD
3	Sydney				IN	Feb-06	9	11987.22	AUD
4	Sydney	CB-0010	7 Gear		IN	Mar-06	11	14651.05	AUD
5	Sydney	CB-0010	7 Gear		IN	May-06	61	81246.74	AUD
6	Sydney	CB-0010	7 Gear		IN	Jun-06	43	57272.29	AUD
7	Sydney	CB-0010	7 Gear		IN	Jul-06	34	45285.07	AUD
8	Sydney	CB-0010	7 Gear		IN	Aug-06	26	34629.76	AUD
9	Sydney	CB-0010	7 Gear		IN	Sep-06	18	23974.45	AUD
10	Sydney	CB-0010	7 Gear		IN	Oct-06	10	13319.14	AUD
11	Sydney	CB-0010	7 Gear		WH	Jan-06	9	11308.7	AUD
12	Sydney	CB-0010	7 Gear		WH	Jun-06	43	54030.46	AUD
13	Sydney	CB-0010	7 Gear		WH	Jul-06	21	26386.97	AUD
14	Sydney	CB-0010	7 Gear		WH	Aug-06	32	40208.72	AUD
15	Sydney	CB-0010	7 Gear		WH	Nov-06	7	8795.66	AUD
16	Sydney	CB-0010	7 Gear		WH	Dec-06	6	7539.13	AUD
17	Sydney	CB-0011	Stream N3 28		IN	Jan-06	5	2277.02	AUD
18	Sydney	CB-0011	Stream N3 28		IN	Feb-06	12	5464.85	AUD
19	Sydney	CB-0011	Stream N3 28		IN	Mar-06	11	5009.44	AUD
20	Sydney	CB-0011	Stream N3 28		IN	Apr-06	35	15939.14	AUD
21	Sydney	CB-0011	Stream N3 28		IN	May-06	40	18216.16	AUD
22	Sydney	CB-0011	Stream N3 28		IN	Jun-06	43	19582.37	AUD
23	Sydney	CB-0011	Stream N3 28		IN	Aug-06	22	10018.89	AUD
24	Sydney	CB-0011	Stream N3 28		IN	Sep-06	24	10929.7	AUD
25	Sydney	CB-0011	Stream N3 28		IN	Oct-06	10	4554.04	AUD
26	Sydney	CB-0011	Stream N3 28		IN	Nov-06	7	3187.83	AUD
27	Sydney	CB-0011	Stream N3 28		IN	Dec-06	7	3187.83	AUD

2. Tutorial Week 2: Exercises

AutoSave Off

Search

Farshid Keivanian

File Home Insert Page Layout Formulas Data Review View Automate Help Acrobat **PivotTable Analyze** Design

Comments Share

PivotTable Name: PivotTable1

Active Field:

Drill Down Drill Up

Group Selection Ungroup Group Field

Insert Slicer Insert Timeline Filter Connections

Refresh Change Data Source

Clear Select Move PivotTable

Fields, Items, & Sets OLAP Tools Relationships

PivotChart Recommended PivotTables

Field List +/- Buttons Field Headers

A3

A B C D E F G H I J K L M N O P

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

PivotTable1

To build a report, choose fields from the PivotTable Field List

You will see your column headers or field names listed in this pane.

You can drag and drop these fields into four different areas at the bottom of the PivotTable Field List pane:

- **Filters:** Add fields here if you want to filter the entire table based on a category.
- **Columns:** Add fields here that you want to display as columns in your PivotTable.
- **Rows:** Add fields here that you want to display as rows in your PivotTable.
- **Values:** Add fields here that you want to summarize, such as calculating the sum, average, count, etc.

PivotTable Fields

Choose fields to add to report:

Search

☐ Sales Organisation
☐ Material #
☐ Material
☐ Distribution Channel
☐ Month/Year
☐ Quantity
☐ Revenue

Drag fields between areas below:

Filters Columns

Rows Values

Defer Layout Update Update

Sheet4 Sheet1 Sheet2 Sheet3

2. Tutorial Week 2: Exercises

AutoSave Off

pivottable

Search

FileHomeInsertPage LayoutFormulasDataReviewViewAutomateHelpAcrobatPivotTable AnalyzeDesign

Paste

Calibri11A^A^

Alignment

General

Conditional Formatting

Format as Table

Cell Styles

Insert

Delete

Format

Editing

Sensitivity

Add-ins

Analyze Data

Create PDF and Share link

Create PDF and Share via Outlook

CommentsShare

A3

Column Labels

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2													
3	Column Labels												
4	AUD	EUR	USD	(blank)	Grand Total								
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													

PivotTable Fields

Choose fields to add to report:

Search

☐ Distribution Channel

☐ Month/Year

☐ Quantity

☐ Revenue

☒ Currency

More Tables...

Drag fields between areas below:

Filters

Columns

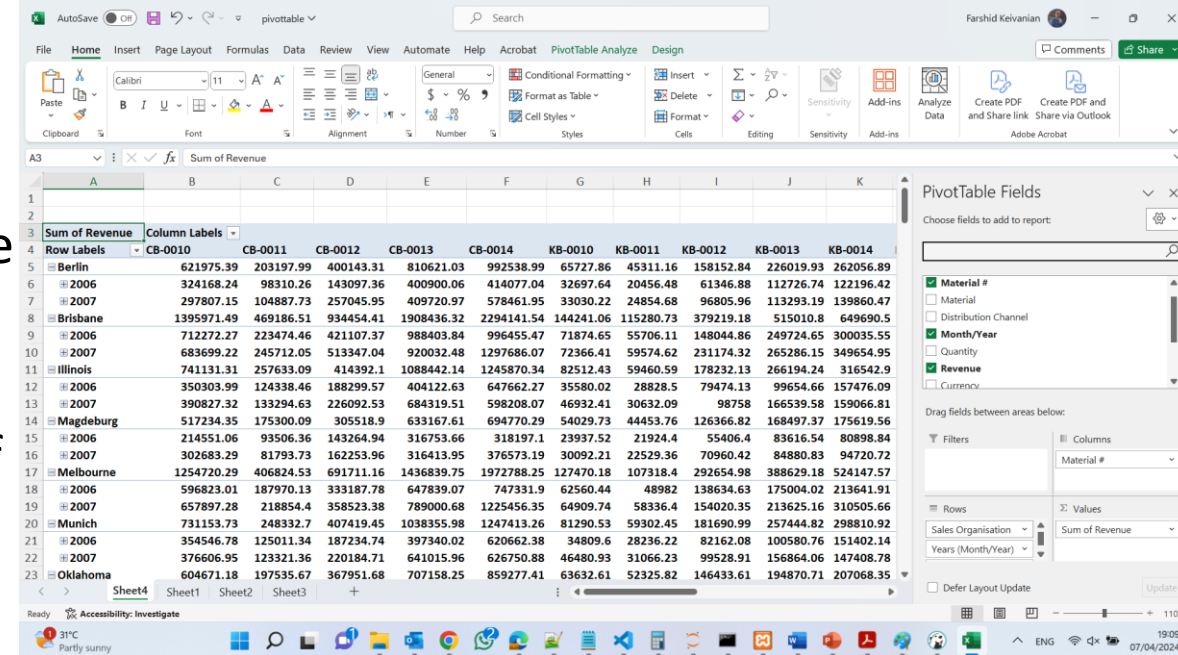
Currency

Rows

Values

2. Tutorial Week 2: Exercises

- For example, if you want to analyze revenue by sales organization and material number, you would drag the "Sales Organisation" field to Rows, the "Material #" field to Columns, and the "Revenue" field to Values. If you also want to analyze by month, you would drag "Month/Year" to either Rows or Columns, depending on how you want to view the data.
- The fields you choose for Rows and Columns will define the structure of your PivotTable, and the fields in the Values area will be calculated for each row and column intersection. The Filters area allows you to limit what data is shown in the PivotTable based on the filter fields.



	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Sum of Revenue	Column Labels									
4	Row Labels	CB-0010	CB-0011	CB-0012	CB-0013	CB-0014	KB-0010	KB-0011	KB-0012	KB-0013	KB-0014
5	Berlin	621975.39	203197.99	400143.31	810621.03	992538.99	65727.86	45311.16	158152.84	226019.93	262056.89
6	2006	324168.24	98310.26	143097.36	400900.06	414077.04	32697.64	20456.48	61346.88	112726.74	122196.42
7	2007	297807.15	104887.73	257045.95	409720.97	578461.95	33030.22	24854.68	96805.96	113293.19	139860.47
8	Brisbane	1395971.49	469186.51	934454.41	1908436.32	2294141.54	144241.06	115280.73	379219.18	515010.8	649690.5
9	2006	712272.27	223474.46	421107.37	988403.84	996455.47	71874.65	55706.11	148044.86	249724.65	300035.55
10	2007	683699.22	245712.05	513347.04	920032.48	1297686.07	72366.41	59574.62	231174.32	265286.15	349654.95
11	Illinois	741131.31	257633.09	414392.1	1088442.14	1245870.34	82512.43	59460.59	178232.13	266194.24	316542.9
12	2006	350303.99	124338.46	188299.57	404122.63	647662.27	35580.02	28828.5	79474.13	99654.66	157476.09
13	2007	390827.32	133294.63	226092.53	684319.51	598208.07	46932.41	30632.09	98758	166539.58	159066.81
14	Magdeburg	517234.35	175300.09	305518.9	633167.61	694770.29	54029.73	44453.76	126366.82	168497.37	175619.56
15	2006	214551.06	93506.36	143264.94	316753.66	318197.1	23937.52	21924.4	55406.4	83616.54	80898.84
16	2007	302683.29	81793.73	162253.96	316413.95	376573.19	30092.21	22529.36	70960.42	84880.83	94720.72
17	Melbourne	1254720.29	406824.53	691711.16	1436839.75	1972788.25	127470.18	107318.4	292654.98	388629.18	524147.57
18	2006	596823.01	187970.13	333187.78	647839.07	747331.9	62560.44	48982	138634.63	175004.02	213641.91
19	2007	657897.28	218854.4	358523.38	789000.68	1225456.35	64909.74	58336.4	154020.35	213625.16	310505.66
20	Munich	731153.73	248332.7	407419.45	1038355.98	1247413.26	81290.53	59302.45	181690.99	257444.82	298810.92
21	2006	354546.78	125011.34	187234.74	397340.02	620662.38	34809.6	28236.22	82162.08	100580.76	151402.14
22	2007	376606.95	123321.36	220184.71	641015.96	626750.88	46480.93	31066.23	99528.91	156864.06	147408.78
23	Oklahoma	604671.18	197535.67	367951.68	707158.25	859277.41	63632.61	52325.82	146433.61	194870.71	207068.35

PivotTable Fields

Choose fields to add to report:

Material #

Material

Distribution Channel

Month/Year

Quantity

Revenue

Currency

Filters

Columns

Material #

Rows

Sales Organisation

Years (Month/Year)

Values

Sum of Revenue

Sales Organisation and Material Numbers: The PivotTable is structured with 'Sales Organisation' in the rows and 'Material #' in the columns. This allows you to see the revenue generated by each material number for each sales organization.

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Sum of Revenue	Column Labels									
4	Row Labels	CB-0010	CB-0011	CB-0012	CB-0013	CB-0014	KB-0010	KB-0011	KB-0012	KB-0013	KB-0014
5	Berlin	621975.39	203197.99	400143.31	810621.03	992538.99	65727.86	45311.16	158152.84	226019.93	262056.89
6	2006	324168.24	98310.26	143097.36	400900.06	414077.04	32697.64	20456.48	61346.88	112726.74	122196.42
7	2007	297807.15	104887.73	257045.95	409720.97	578461.95	33030.22	24854.68	96805.96	113293.19	139860.47
8	Brisbane	1395971.49	469186.51	934454.41	1908436.32	2294141.54	144241.06	115280.73	379219.18	515010.8	649690.5
9	2006	712272.27	223474.46	421107.37	988403.84	996455.47	71874.65	55706.11	148044.86	249724.65	300035.55
10	2007	683699.22	245712.05	513347.04	920032.48	1297686.07	72366.41	59574.62	231174.32	265286.15	349654.95
11	Illinois	741131.31	257633.09	414392.1	1088442.14	1245870.34	82512.43	59460.59	178232.13	266194.24	316542.9
12	2006	350303.99	124338.46	188299.57	404122.63	647662.27	35580.02	28828.5	79474.13	99654.66	157476.09
13	2007	390827.32	133294.63	226092.53	684319.51	598208.07	46932.41	30632.09	98758	166539.58	159066.81
14	Magdeburg	517234.35	175300.09	305518.9	633167.61	694770.29	54029.73	44453.76	126366.82	168497.37	175619.56
15	2006	214551.06	93506.36	143264.94	316753.66	318197.1	23937.52	21924.4	55406.4	83616.54	80898.84
16	2007	302683.29	81793.73	162253.96	316413.95	376573.19	30092.21	22529.36	70960.42	84880.83	94720.72
17	Melbourne	1254720.29	406824.53	691711.16	1436839.75	1972788.25	127470.18	107318.4	292654.98	388629.18	524147.57
18	2006	596823.01	187970.13	333187.78	647839.07	747331.9	62560.44	48982	138634.63	175004.02	213641.91
19	2007	657897.28	218854.4	358523.38	789000.68	1225456.35	64909.74	58336.4	154020.35	213625.16	310505.66
20	Munich	731153.73	248332.7	407419.45	1038355.98	1247413.26	81290.53	59302.45	181690.99	257444.82	298810.92
21	2006	354546.78	125011.34	187234.74	397340.02	620662.38	34809.6	28236.22	82162.08	100580.76	151402.14
22	2007	376606.95	123321.36	220184.71	641015.96	626750.88	46480.93	31066.23	99528.91	156864.06	147408.78
23	Oklahoma	604671.18	197535.67	367951.68	707158.25	859277.41	63632.61	52325.82	146433.61	194870.71	207068.35

PivotTable Fields

Choose fields to add to report:

Material #

☐ Material
 ☐ Distribution Channel

Month/Year

☐ Quantity
 ☒ Revenue
 ☐ Currency

Drag fields between areas below:

Filters

Columns

Material #

Rows

Sales Organisation

Years (Month/Year)

Values

Sum of Revenue

Revenue Data: The values in the PivotTable represent the sum of revenue for the intersection of each sales organization and material number. These are provided for two years as seen in the row labels (2006 and 2007).

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Sum of Revenue	Column Labels									
4	Row Labels	CB-0010	CB-0011	CB-0012	CB-0013	CB-0014	KB-0010	KB-0011	KB-0012	KB-0013	KB-0014
5	Berlin	621975.39	203197.99	400143.31	810621.03	992538.99	65727.86	45311.16	158152.84	226019.93	262056.89
6	2006	324168.24	98310.26	143097.36	400900.06	414077.04	32697.64	20456.48	61346.88	112726.74	122196.42
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8	Brisbane	1395971.49	469186.51	934454.41	1908436.32	2294141.54	144241.06	115280.73	379219.18	515010.8	649690.5
9	2006	712272.27	223474.46	421107.37	988403.84	996455.47	71874.65	55706.11	148044.86	249724.65	300035.55
10	2007	683699.22	245712.05	513347.04	920032.48	1297686.07	72366.41	59574.62	231174.32	265286.15	349654.95
11	Illinois	741131.31	257633.09	414392.1	1088442.14	1245870.34	82512.43	59460.59	178232.13	266194.24	316542.9
12	2006	350303.99	124338.46	188299.57	404122.63	647662.27	35580.02	28828.5	79474.13	99654.66	157476.09
13	2007	390827.32	133294.63	226092.53	684319.51	598208.07	46932.41	30632.09	98758	166539.58	159066.81
14	Magdeburg	517234.35	175300.09	305518.9	633167.61	694770.29	54029.73	44453.76	126366.82	168497.37	175619.56
15	2006	214551.06	93506.36	143264.94	316753.66	318197.1	23937.52	21924.4	55406.4	83616.54	80898.84
16	2007	302683.29	81793.73	162253.96	316413.95	376573.19	30092.21	22529.36	70960.42	84880.83	94720.72
17	Melbourne	1254720.29	406824.53	691711.16	1436839.75	1972788.25	127470.18	107318.4	292654.98	388629.18	524147.57
18	2006	596823.01	187970.13	333187.78	647839.07	747331.9	62560.44	48982	138634.63	175004.02	213641.91
19	2007	657897.28	218854.4	358523.38	789000.68	1225456.35	64909.74	58336.4	154020.35	213625.16	310505.66
20	Munich	731153.73	248332.7	407419.45	1038355.98	1247413.26	81290.53	59302.45	181690.99	257444.82	298810.92
21	2006	354546.78	125011.34	187234.74	397340.02	620662.38	34809.6	28236.22	82162.08	100580.76	151402.14
22	2007	376606.95	123321.36	220184.71	641015.96	626750.88	46480.93	31066.23	99528.91	156864.06	147408.78
23	Oklahoma	604671.18	197535.67	367951.68	707158.25	859277.41	63632.61	52325.82	146433.61	194870.71	207068.35

PivotTable Fields

Choose fields to add to report:

Material #

☐ Material
 ☐ Distribution Channel

Month/Year

☐ Quantity
 ☒ Revenue
 ☐ Currency

Drag fields between areas below:

Filters

Columns

Material #

Rows

Sales Organisation

Years (Month/Year)

Values

Sum of Revenue

Yearly and Total Revenue: For each sales organization, there are subtotals for each year (2006 and 2007), providing an insight into the annual revenue changes for each material. At the end of each sales organization's section, there is a total revenue figure, which gives the combined revenue for all materials for that particular sales organization across both years.

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Sum of Revenue	Column Labels									
4	Row Labels	CB-0010	CB-0011	CB-0012	CB-0013	CB-0014	KB-0010	KB-0011	KB-0012	KB-0013	KB-0014
5	Berlin	621975.39	203197.99	400143.31	810621.03	992538.99	65727.86	45311.16	158152.84	226019.93	262056.89
6	2006	324168.24	98310.26	143097.36	400900.06	414077.04	32697.64	20456.48	61346.88	112726.74	122196.42
7	2007	297807.15	104887.73	257045.95	409720.97	578461.95	33030.22	24854.68	96805.96	113293.19	139860.47
8	Brisbane	1395971.49	469186.51	934454.41	1908436.32	2294141.54	144241.06	115280.73	379219.18	515010.8	649690.5
9	2006	712272.27	223474.46	421107.37	988403.84	996455.47	71874.65	55706.11	148044.86	249724.65	300035.55
10	2007	683699.22	245712.05	513347.04	920032.48	1297686.07	72366.41	59574.62	231174.32	265286.15	349654.95
11	Illinois	741131.31	257633.09	414392.1	1088442.14	1245870.34	82512.43	59460.59	178232.13	266194.24	316542.9
12	2006	350303.99	124338.46	188299.57	404122.63	647662.27	35580.02	28828.5	79474.13	99654.66	157476.09
13	2007	390827.32	133294.63	226092.53	684319.51	598208.07	46932.41	30632.09	98758	166539.58	159066.81
14	Magdeburg	517234.35	175300.09	305518.9	633167.61	694770.29	54029.73	44453.76	126366.82	168497.37	175619.56
15	2006	214551.06	93506.36	143264.94	316753.66	318197.1	23937.52	21924.4	55406.4	83616.54	80898.84
16	2007	302683.29	81793.73	162253.96	316413.95	376573.19	30092.21	22529.36	70960.42	84880.83	94720.72
17	Melbourne	1254720.29	406824.53	691711.16	1436839.75	1972788.25	127470.18	107318.4	292654.98	388629.18	524147.57
18	2006	596823.01	187970.13	333187.78	647839.07	747331.9	62560.44	48982	138634.63	175004.02	213641.91
19	2007	657897.28	218854.4	358523.38	789000.68	1225456.35	64909.74	58336.4	154020.35	213625.16	310505.66
20	Munich	731153.73	248332.7	407419.45	1038355.98	1247413.26	81290.53	59302.45	181690.99	257444.82	298810.92
21	2006	354546.78	125011.34	187234.74	397340.02	620662.38	34809.6	28236.22	82162.08	100580.76	151402.14
22	2007	376606.95	123321.36	220184.71	641015.96	626750.88	46480.93	31066.23	99528.91	156864.06	147408.78
23	Oklahoma	604671.18	197535.67	367951.68	707158.25	859277.41	63632.61	52325.82	146433.61	194870.71	207068.35

PivotTable Fields

Choose fields to add to report:

Material #

Material

Distribution Channel

Month/Year

Quantity

Revenue

Currency

Filters

Columns

Material #

Rows

Sales Organisation

Years (Month/Year)

Values

Sum of Revenue

Material Performance: We can compare how different materials performed within a single sales organization as well as across different sales organizations. For instance, we can identify which material numbers are bestsellers and which are not performing as well.

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Sum of Revenue	Column Labels									
4	Row Labels	CB-0010	CB-0011	CB-0012	CB-0013	CB-0014	KB-0010	KB-0011	KB-0012	KB-0013	KB-0014
5	Berlin	621975.39	203197.99	400143.31	810621.03	992538.99	65727.86	45311.16	158152.84	226019.93	262056.89
6	2006	324168.24	98310.26	143097.36	400900.06	414077.04	32697.64	20456.48	61346.88	112726.74	122196.42
7	2007	297807.15	104887.73	257045.95	409720.97	578461.95	33030.22	24854.68	96805.96	113293.19	139860.47
8	Brisbane	1395971.49	469186.51	934454.41	1908436.32	2294141.54	144241.06	115280.73	379219.18	515010.8	649690.5
9	2006	712272.27	223474.46	421107.37	988403.84	996455.47	71874.65	55706.11	148044.86	249724.65	300035.55
10	2007	683699.22	245712.05	513347.04	920032.48	1297686.07	72366.41	59574.62	231174.32	265286.15	349654.95
11	Illinois	741131.31	257633.09	414392.1	1088442.14	1245870.34	82512.43	59460.59	178232.13	266194.24	316542.9
12	2006	350303.99	124338.46	188299.57	404122.63	647662.27	35580.02	28828.5	79474.13	99654.66	157476.09
13	2007	390827.32	133294.63	226092.53	684319.51	598208.07	46932.41	30632.09	98758	166539.58	159066.81
14	Magdeburg	517234.35	175300.09	305518.9	633167.61	694770.29	54029.73	44453.76	126366.82	168497.37	175619.56
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17	Melbourne	1254720.29	406824.53	691711.16	1436839.75	1972788.25	127470.18	107318.4	292654.98	388629.18	524147.57
18	2006	596823.01	187970.13	333187.78	647839.07	747331.9	62560.44	48982	138634.63	175004.02	213641.91
19	2007	657897.28	218854.4	358523.38	789000.68	1225456.35	64909.74	58336.4	154020.35	213625.16	310505.66
20	Munich	731153.73	248332.7	407419.45	1038355.98	1247413.26	81290.53	59302.45	181690.99	257444.82	298810.92
21	2006	354546.78	125011.34	187234.74	397340.02	620662.38	34809.6	28236.22	82162.08	100580.76	151402.14
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23	Oklahoma	604671.18	197535.67	367951.68	707158.25	859277.41	63632.61	52325.82	146433.61	194870.71	207068.35

PivotTable Fields

Choose fields to add to report:

Material #

Material

Distribution Channel

Month/Year

Quantity

Revenue

Currency

Filters

Columns

Material #

Rows

Sales Organisation

Years (Month/Year)

Values

Sum of Revenue

Comparing Sales Organizations: It's possible to compare the performance of sales organizations against each other. This can highlight which locations are generating the most revenue and which may need attention or strategy changes.

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Sum of Revenue	Column Labels									
4	Row Labels	CB-0010	CB-0011	CB-0012	CB-0013	CB-0014	KB-0010	KB-0011	KB-0012	KB-0013	KB-0014
5	Berlin	621975.39	203197.99	400143.31	810621.03	992538.99	65727.86	45311.16	158152.84	226019.93	262056.89
6	2006	324168.24	98310.26	143097.36	400900.06	414077.04	32697.64	20456.48	61346.88	112726.74	122196.42
7	2007	297807.15	104887.73	257045.95	409720.97	578461.95	33030.22	24854.68	96805.96	113293.19	139860.47
8	Brisbane	1395971.49	469186.51	934454.41	1908436.32	2294141.54	144241.06	115280.73	379219.18	515010.8	649690.5
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11	Illinois	741131.31	257633.09	414392.1	1088442.14	1245870.34	82512.43	59460.59	178232.13	266194.24	316542.9
12	2006	350303.99	124338.46	188299.57	404122.63	647662.27	35580.02	28828.5	79474.13	99654.66	157476.09
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17	Melbourne	1254720.29	406824.53	691711.16	1436839.75	1972788.25	127470.18	107318.4	292654.98	388629.18	524147.57
18	2006	596823.01	187970.13	333187.78	647839.07	747331.9	62560.44	48982	138634.63	175004.02	213641.91
19	2007	657897.28	218854.4	358523.38	789000.68	1225456.35	64909.74	58336.4	154020.35	213625.16	310505.66
20	Munich	731153.73	248332.7	407419.45	1038355.98	1247413.26	81290.53	59302.45	181690.99	257444.82	298810.92
21	2006	354546.78	125011.34	187234.74	397340.02	620662.38	34809.6	28236.22	82162.08	100580.76	151402.14
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23	Oklahoma	604671.18	197535.67	367951.68	707158.25	859277.41	63632.61	52325.82	146433.61	194870.71	207068.35

Trends Over Time: By including both 2006 and 2007, you can identify trends over time. For example, whether revenue is increasing or decreasing for specific materials or within certain sales organizations.

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Sum of Revenue	Column Labels									
4	Row Labels	CB-0010	CB-0011	CB-0012	CB-0013	CB-0014	KB-0010	KB-0011	KB-0012	KB-0013	KB-0014
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6	2006	324168.24	98310.26	143097.36	400900.06	414077.04	32697.64	20456.48	61346.88	112726.74	122196.42
7	2007	297807.15	104887.73	257045.95	409720.97	578461.95	33030.22	24854.68	96805.96	113293.19	139860.47
8	Brisbane	1395971.49	469186.51	934454.41	1908436.32	2294141.54	144241.06	115280.73	379219.18	515010.8	649690.5
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11	Illinois	741131.31	257633.09	414392.1	1088442.14	1245870.34	82512.43	59460.59	178232.13	266194.24	316542.9
12	2006	350303.99	124338.46	188299.57	404122.63	647662.27	35580.02	28828.5	79474.13	99654.66	157476.09
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17	Melbourne	1254720.29	406824.53	691711.16	1436839.75	1972788.25	127470.18	107318.4	292654.98	388629.18	524147.57
18	2006	596823.01	187970.13	333187.78	647839.07	747331.9	62560.44	48982	138634.63	175004.02	213641.91
19	2007	657897.28	218854.4	358523.38	789000.68	1225456.35	64909.74	58336.4	154020.35	213625.16	310505.66
20	Munich	731153.73	248332.7	407419.45	1038355.98	1247413.26	81290.53	59302.45	181690.99	257444.82	298810.92
21	2006	354546.78	125011.34	187234.74	397340.02	620662.38	34809.6	28236.22	82162.08	100580.76	151402.14
22	2007	376606.95	123321.36	220184.71	641015.96	626750.88	46480.93	31066.23	99528.91	156864.06	147408.78
23	Oklahoma	604671.18	197535.67	367951.68	707158.25	859277.41	63632.61	52325.82	146433.61	194870.71	207068.35

PivotTable Fields

Choose fields to add to report:

Material #

Material

Distribution Channel

Month/Year

Quantity

Revenue

Currency

Filters

Columns

Material #

Rows

Sales Organisation

Years (Month/Year)

Values

Sum of Revenue

- From the PivotTable, if we see a significant increase or decrease in revenue from 2006 to 2007 for a specific material or sales organization, this could warrant further investigation to understand the underlying causes.
- Lastly, the overall layout of the PivotTable allows for a comprehensive overview, making it easier for stakeholders to make informed decisions based on the presented data.

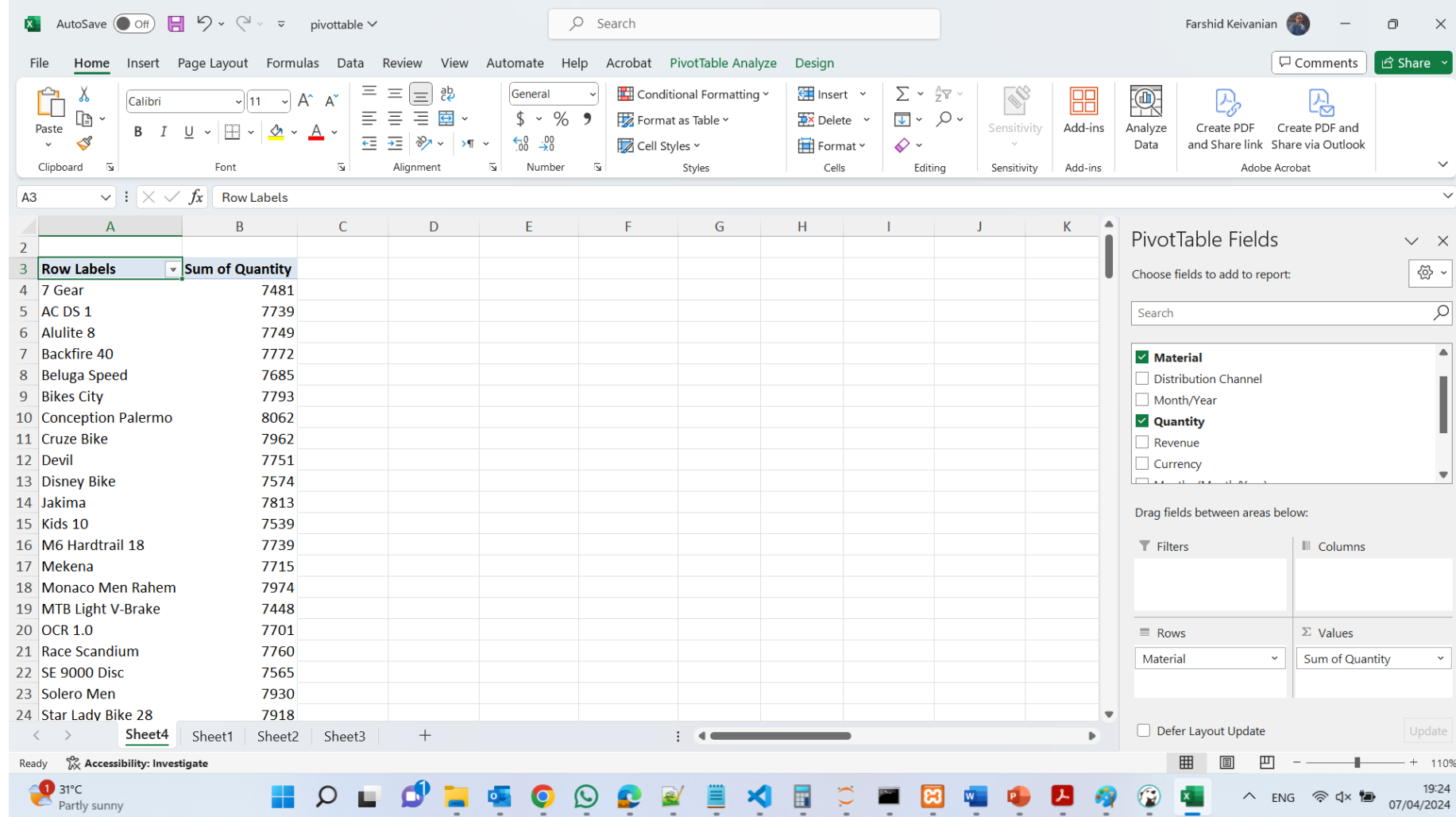
2. Tutorial Week 2: Exercises

Configuring the PivotTable

Field List Setup:

4. Example Configuration:

- To find out which material sold the most, drag the **Material** field to the Rows area.
- Drag the **Quantity** field to the Values area and ensure it is set to sum (it usually defaults to this, but if not, click on the small drop-down arrow next to **Quantity** in the Values area and select **Summarize Values By > Sum**).



The screenshot shows Microsoft Excel with a PivotTable. The PivotTable Fields task pane on the right is configured with 'Material' in the Rows area and 'Sum of Quantity' in the Values area. The main worksheet displays a list of bike models and their quantities.

Row Labels	Sum of Quantity
7 Gear	7481
AC DS 1	7739
Alulite 8	7749
Backfire 40	7772
Beluga Speed	7685
Bikes City	7793
Conception Palermo	8062
Cruze Bike	7962
Devil	7751
Disney Bike	7574
Jakima	7813
Kids 10	7539
M6 Hardtrail 18	7739
Mekena	7715
Monaco Men Rahem	7974
MTB Light V-Brake	7448
OCR 1.0	7701
Race Scandium	7760
SE 9000 Disc	7565
Solero Men	7930
Star Lady Bike 28	7918

Try and answer the following questions from the data.

✍ Which Material sold the **most** in terms of Quantity?

2. Tutorial Week 2: Exercises

Sorting and Filtering:

- **Applying Filters:**
- While the PivotTable cell is selected, go to the **Data** tab on the Excel ribbon.
- Look for the **Sort & Filter** group in the ribbon.
- Click on **Sort Largest to Smallest**. This will reorder your PivotTable data to show the items with the highest quantities at the top.

The screenshot displays the Microsoft Excel interface. The 'PivotTable Analyze' tab is active on the ribbon. The PivotTable is located in the range A3:K24. The PivotTable Fields task pane on the right shows the following configuration:

- Material** is checked in the 'Choose fields to add to report' list.
- Quantity** is checked in the 'Choose fields to add to report' list.
- Material** is assigned to the **Filters** area.
- Sum of Quantity** is assigned to the **Values** area.

The PivotTable data is as follows:

Row Labels	Sum of Quantity
7 Gear	7481
AC DS 1	7739
Alulite 8	7749
Backfire 40	7772
Beluga Speed	7685
Bikes City	7793
Conception Palermo	8062
Cruze Bike	7962
Devil	7751
Disney Bike	7574
Jakima	7813
Kids 10	7539
M6 Hardtrail 18	7739
Mekena	7715
Monaco Men Rahem	7974
MTB Light V-Brake	7448
OCR 1.0	7701
Race Scandium	7760
SE 9000 Disc	7565
Solero Men	7930
Star Lady Bike 28	7918

B4 ⌵ : ⌵ ✓ f_x 7481 ⌵

PivotTable Fields

ActiveAll

Choose fields to add to report:

Search

☐ Distribution Channel

☐ Month/Year

☒ **Quantity**

☐ Revenue

☐ Currency

Drag fields between areas below:

<div><div>Filters</div><div></div></div>	<div><div>Columns</div><div></div></div>
<div><div>Rows</div><div>Material</div></div>	<div><div>Values</div><div>Sum of Quantity</div></div>

☐ Defer Layout Update

2. Tutorial Week 2: Exercises

- a) Which material provided the **most** revenue in Sydney?
- b) What is the total sales revenue for Germany?
- c) What is the total wholesale quantity?
- d) What percentage of the total sales quantity for Germany is the Jakima material? (hint: use context menu for Values in the PivotTable Field List)
- e) What is the biggest selling product in terms of quantity in April 2007?
- f) Which material had the biggest increase in quantity sold from April 2007 to May 2007? (Hint: use context menu for Values in the PivotTable Field List – Show Value As)

2. Tutorial Week 2: Exercises

a) Which material provided the most revenue in Sydney?

- Add "Material" to the Rows area of the PivotTable.
- Add "Revenue" to the Values area and set it to sum the revenue.
- Add "Sales Organisation" or the field that represents locations to the Filters area and filter for "Sydney."
- After setting up, look for the highest revenue number beside a material in the PivotTable.

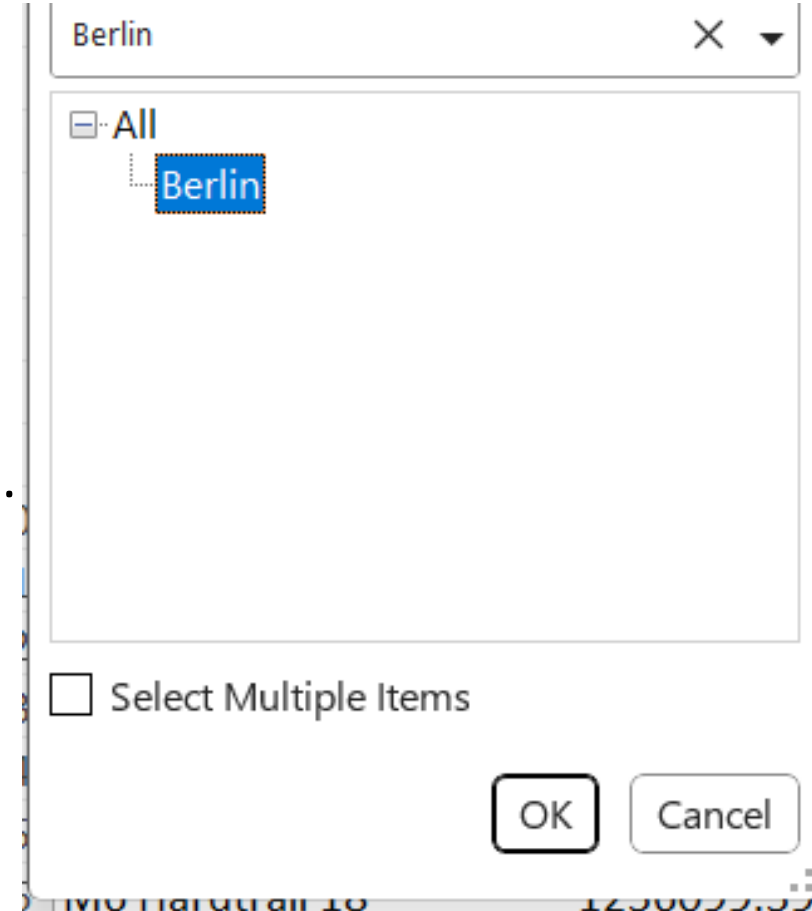
Sales Organisation	Sydney
Row Labels	Sum of Revenue
7 Gear	1015201.64
AC DS 1	4314639.06
Alulite 8	1634161.16
Backfire 40	508815.74
Beluga Speed	813953.64
Bikes City	1357782
Conception Palermo	654820.28
Cruze Bike	277636.45
Devil	2690167.81
Disney Bike	90038.72
Jakima	1106010.98
Kids 10	101555.46
M6 Hardtrail 18	1236099.39
Mekena	366881.67
Monaco Men Rahem	727420.72
MTB Light V-Brake	939781.54
OCR 1.0	1494103.65
Race Scandium	3263284.22
SE 9000 Disc	3373577.43
Solero Men	642618.49
Star Lady Bike 28	456389.32
Stream N3 28	364904.69
Streammax	430733.38

Sales Organisation	All
Sydn	
All	
Sydney	

2. Tutorial Week 2: Exercises

b) What is the total sales revenue for Germany?

- Remove all filters except for the one that represents locations.
- Filter the location to "Germany."
- Make sure "Revenue" is in the Values area set to sum up the revenue.



2. Tutorial Week 2: Exercises

b) What is the total sales revenue for Germany?

- Remove all filters except for the one that represents locations.
- Filter the location to "Germany."
- Make sure "Revenue" is in the Values area set to sum up the revenue.

Sales Organisation	Berlin
Row Labels	Sum of Revenue
7 Gear	621975.39
AC DS 1	2530686.19
Alulite 8	992538.99
Backfire 40	316794.06
Beluga Speed	464969.88
Bikes City	810621.03
Conception Palermo	400143.31
Cruze Bike	158152.84
Devil	1579192.66
Disney Bike	45311.16
Jakima	583049.01
Kids 10	65727.86
M6 Hardtrail 18	752022.09
Mekena	226019.93
Monaco Men Rahem	473442.96
MTB Light V-Brake	485818.38
OCR 1.0	889130.82
Race Scandium	1526531.58
SE 9000 Disc	1735120.63
Solero Men	364374.83
Star Lady Bike 28	287694.7
Stream N3 28	203197.99

Berlin

All

Berlin

☐ Select Multiple Items

OK

Cancel

2. Tutorial Week 2: Exercises

c) What is the total wholesale quantity?

- Remove the location filter.
- Add "**Distribution Channel**" to the Filters area and select "**All**."
- Add "**Quantity**" to the Values area and set it to sum the quantity.

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Sales Organisation	Berlin												
Distribution Channel	All												
Row Labels	Sum of Revenue	Sum of Quantity											
7 Gear	621975.39	846											
AC DS 1	2530686.19	856											
Alulite 8	992538.99	873											
Backfire 40	316794.06	865											
Beluga Speed	464969.88	823											
Bikes City	810621.03	860											
Conception Palermo	400143.31	947											
Cruze Bike	158152.84	891											
Devil	1579192.66	879											
Disney Bike	45311.16	725											
Jakima	583049.01	787											
Kids 10	65727.86	843											
M6 Hardtrail 18	752022.09	895											
Mekena	226019.93	902											
Monaco Men Rahem	473442.96	906											
MTB Light V-Brake	485818.38	712											
OCR 1.0	889130.82	848											
Race Scandium	1526531.58	772											
SE 9000 Disc	1735120.63	820											
Solero Men	364374.83	863											
Star Lady Bike 28	287694.7	916											
Stream N3 28	203197.99	805											

PivotTable Fields

ActiveAll

Choose fields to add to report:

Search

☐ Month/Year

☒ Quantity

☒ Revenue

☐ Currency

Drag fields between areas below:

Filters

Sales Organisation

Distribution Channel

Columns

Σ Values

Rows

Material

Σ Values

Sum of Revenue

Sum of Quantity

☐ Defer Layout Update

Update

2. Tutorial Week 2: Exercises

d) What percentage of the total sales quantity for Germany is the Jakima material?

- Filter the location to "Germany."
- Filter the Material to "Jakima."
- In the Values area, click on the "Quantity" field, then select "Show Value As" from the context menu, and choose "Percentage of Grand Total."

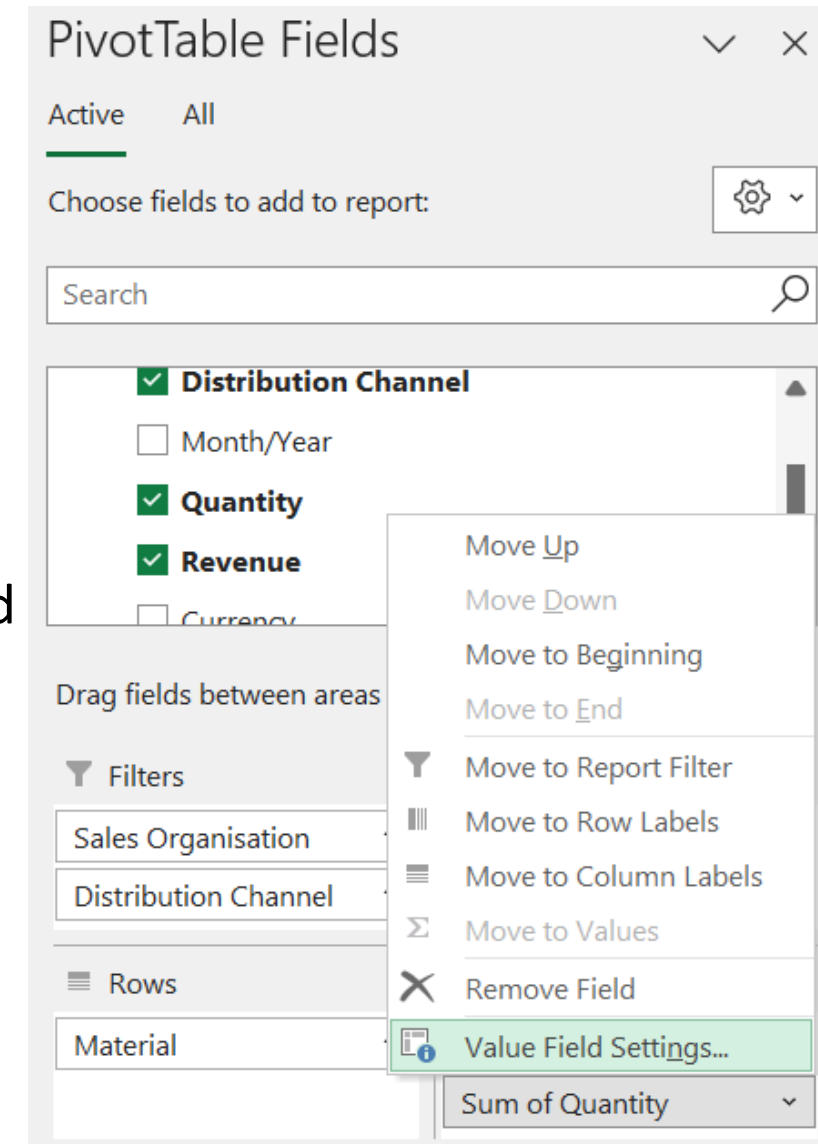
The screenshot shows an Excel spreadsheet with a pivot table. The pivot table has two columns: 'Sum of Revenue' and 'Sum of Quantity'. The rows are filtered by 'Sales Organisation' (Berlin) and 'Distribution Channel' (All). A context menu is open over the 'Sum of Quantity' column, showing options to sort or filter. The 'Filter' option is selected, and a search box contains 'Jakima'. The search results show 'Jakima' is selected.

	A	B	C
1	Sales Organisation	Berlin	
2	Distribution Channel	All	
3			
4	Row Labels	Sum of Revenue	Sum of Quantity
			846
			856
			873
			865
			823
			860
			947
			891
			879
			725
			787
			843
			895
			902
			906
			712
			848
			772
			820
			863
			916
			805

2. Tutorial Week 2: Exercises

d) What percentage of the total sales quantity for Germany is the Jakima material?

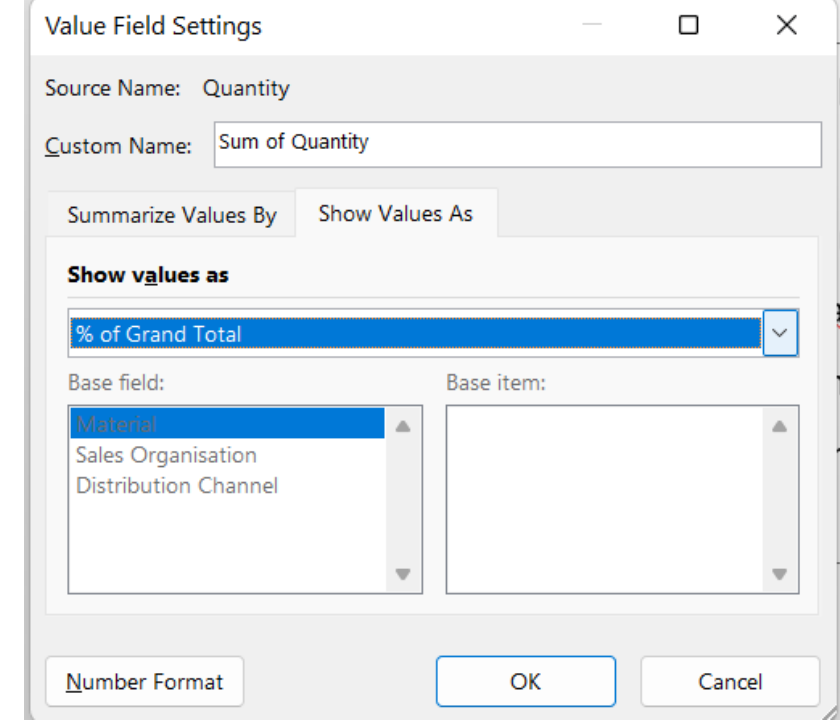
- Filter the location to "Germany."
- Filter the Material to "Jakima."
- In the Values area, click on the "Quantity" field, then select "Show Value As" from the context menu, and choose "Percentage of Grand Total."



2. Tutorial Week 2: Exercises

d) What percentage of the total sales quantity for Germany is the Jakima material?

- Filter the location to "Germany."
- Filter the Material to "Jakima."
- In the Values area, click on the "Quantity" field, then select "Show Value As" from the context menu, and choose "Percentage of Grand Total."



2. Tutorial Week 2: Exercises

d) What percentage of the total sales quantity for Germany is the Jakima material?

- Filter the location to "Germany."
- Filter the Material to "Jakima."
- In the Values area, click on the "Quantity" field, then select "Show Value As" from the context menu, and choose "Percentage of Grand Total."

A	B	C
Sales Organisation	Berlin	
Distribution Channel	All	
Row Labels	Sum of Revenue	Sum of Quantity
Jakima	583049.01	100.00%
Grand Total	583049.01	100.00%

2. Tutorial Week 2: Exercises

e) What is the biggest selling product in terms of quantity in April 2007?

- Set up the PivotTable:
- Drag the **date** field to the “**Filters**” area of the PivotTable.
- Drag the **material** (or product) field to the “**Rows**” area.
- Drag the **quantity** field to the “**Values**” area.
Ensure that it is set to sum the quantities (it should say "Sum of Quantity").

A1 ✕ ✓ *fx* Month/Year (Year)

	A	B	C	
1	Month/Year (Year)	All		
2	Month/Year (Month)	All		
3				
4	Row Labels	Sum of Quantity		
5	Jakima	7813		
6	Grand Total	7813		
7				
8				
9				

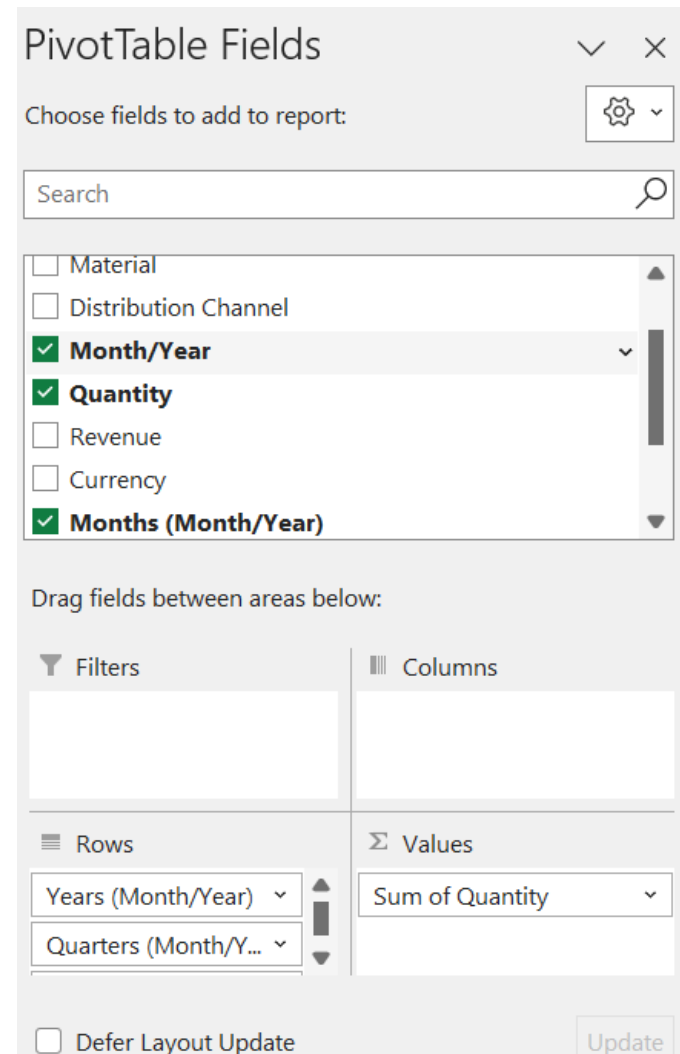
2. Tutorial Week 2: Exercises

e) What is the biggest selling product in terms of quantity in April 2007?

Filter by Date:

- Click on the drop-down arrow in the Date filter at the top of the PivotTable.
- Choose “Date Filters,” then “Between.”
- Enter the start date as 04/01/2007 and the end date as 04/30/2007 to cover all of April 2007.
- Click “OK” to apply the filter.

- **Select the data range** that includes the date, material (product), and quantity columns.
- Go to the “**Insert**” tab on the Ribbon and click on “**PivotTable**.”
- In the Create **PivotTable dialog box**, choose where you want the PivotTable report to be placed (new worksheet or existing worksheet).
- Click “OK.”

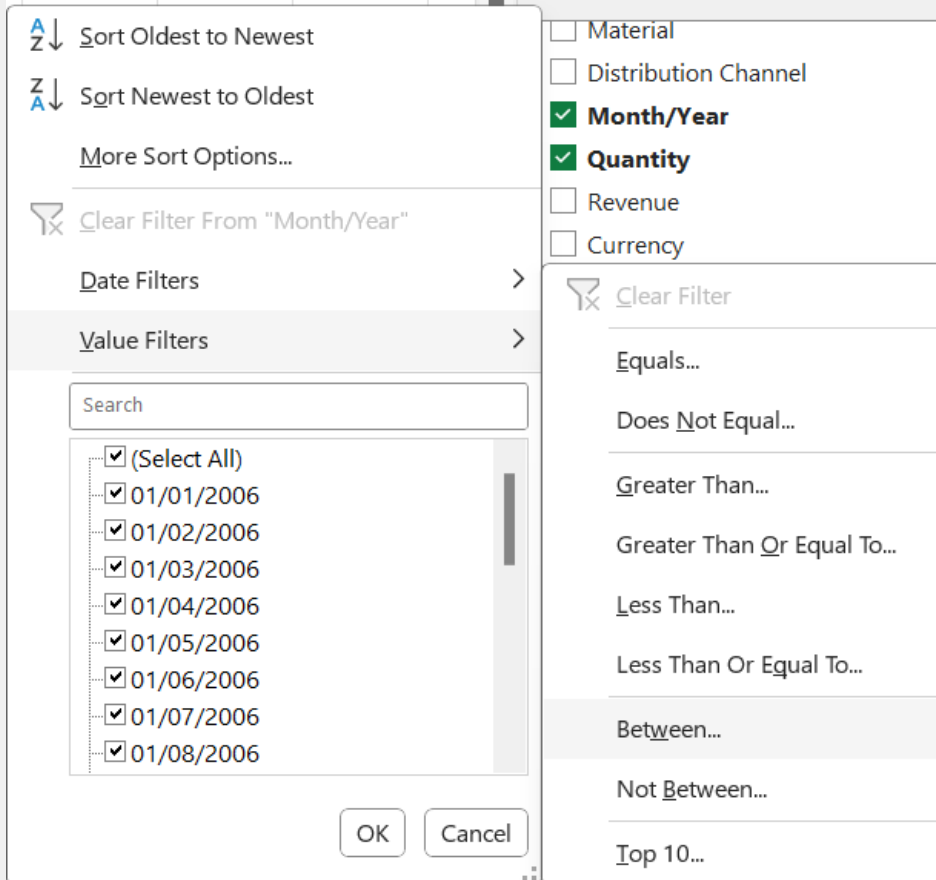
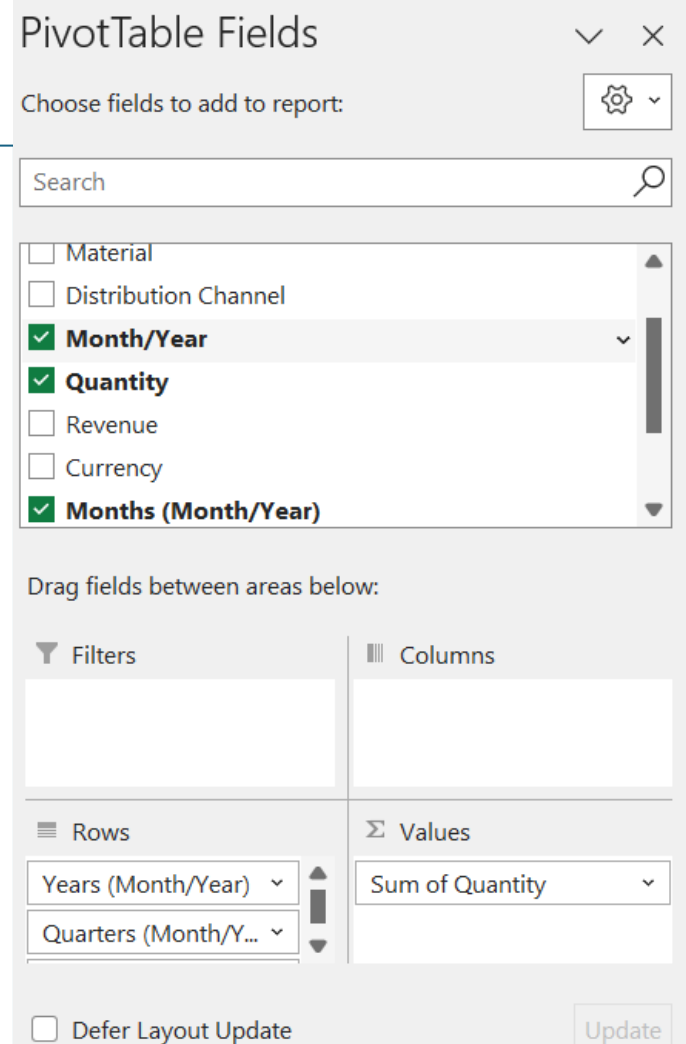


2. Tutorial Week 2: Exercises

e) What is the biggest selling product in terms of quantity in April 2007?

Filter by Date:

- Click on the drop-down arrow in the Date filter at the top of the PivotTable.
- Choose “Date Filters,” then “Between.”
- Enter the start date as 04/01/2007 and the end date as 04/30/2007 to cover all of April 2007.
- Click “OK” to apply the filter.



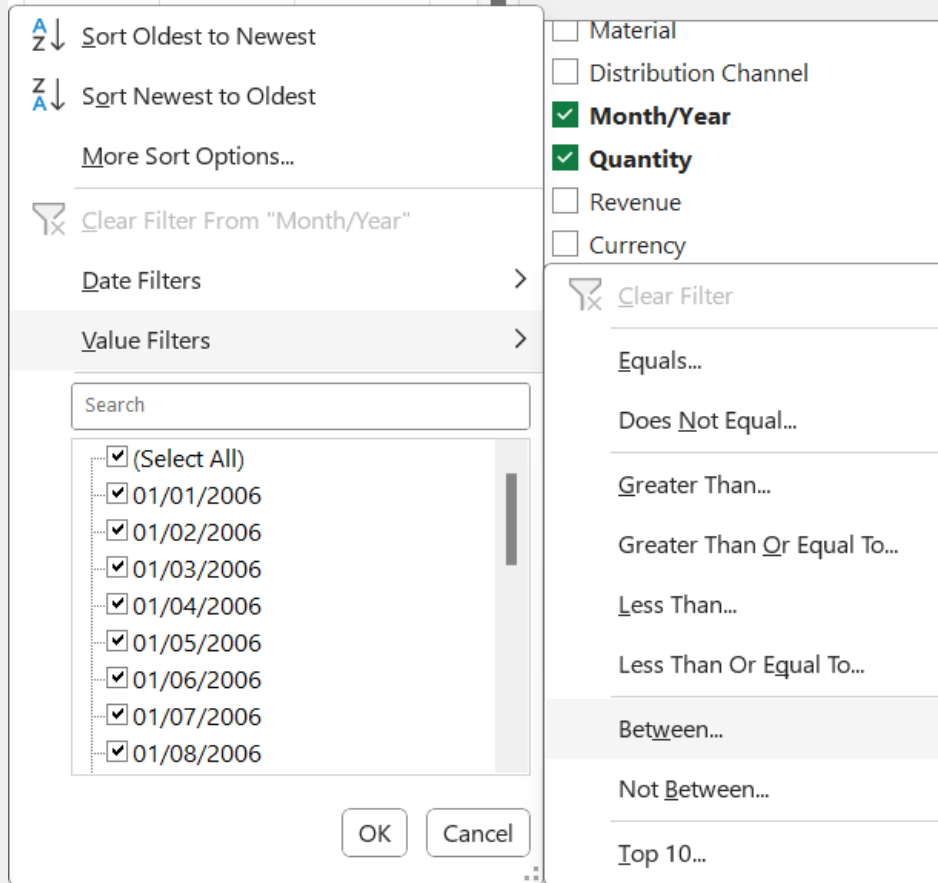
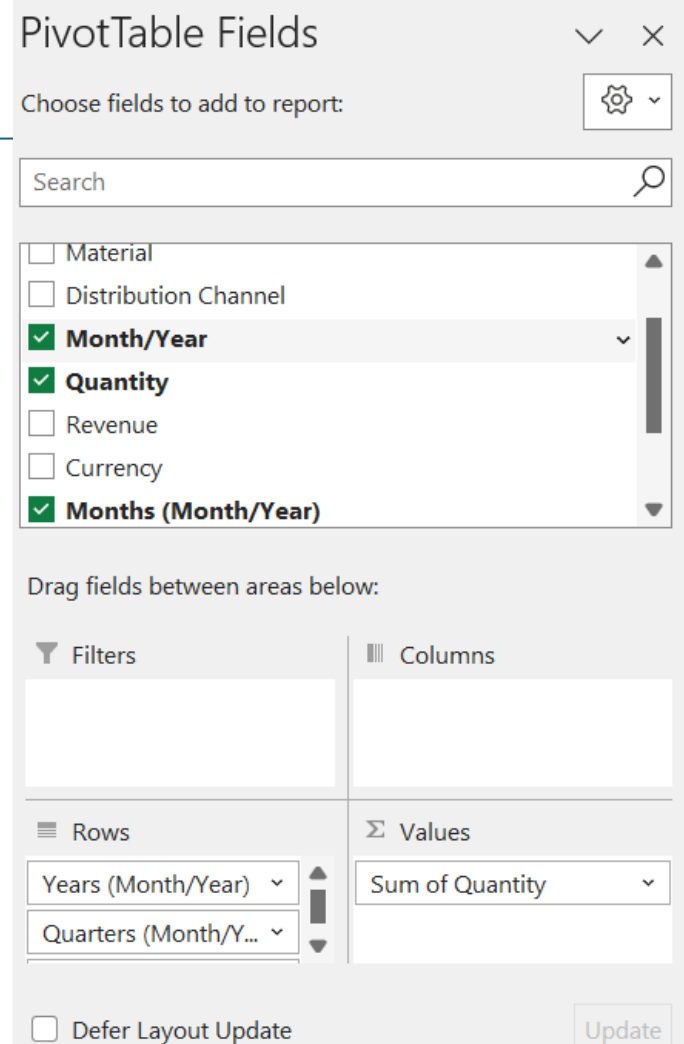
- Select the data range** that includes the date, material (product), and quantity columns.
- Go to the “**Insert**” tab on the Ribbon and click on “**PivotTable**.”
- In the Create **PivotTable** dialog box, choose where you want the PivotTable report to be placed (new worksheet or existing worksheet).
- Click “OK.”

2. Tutorial Week 2: Exercises

e) What is the biggest selling product in terms of quantity in April 2007?

Filter by Date – Set up PivotTable:

- Drag the date field to the “Filters” area of the PivotTable.
- Drag the material (or product) field to the “Rows” area.
- Drag the quantity field to the “Values” area. Ensure that it is set to sum the quantities (it should say "Sum of Quantity").



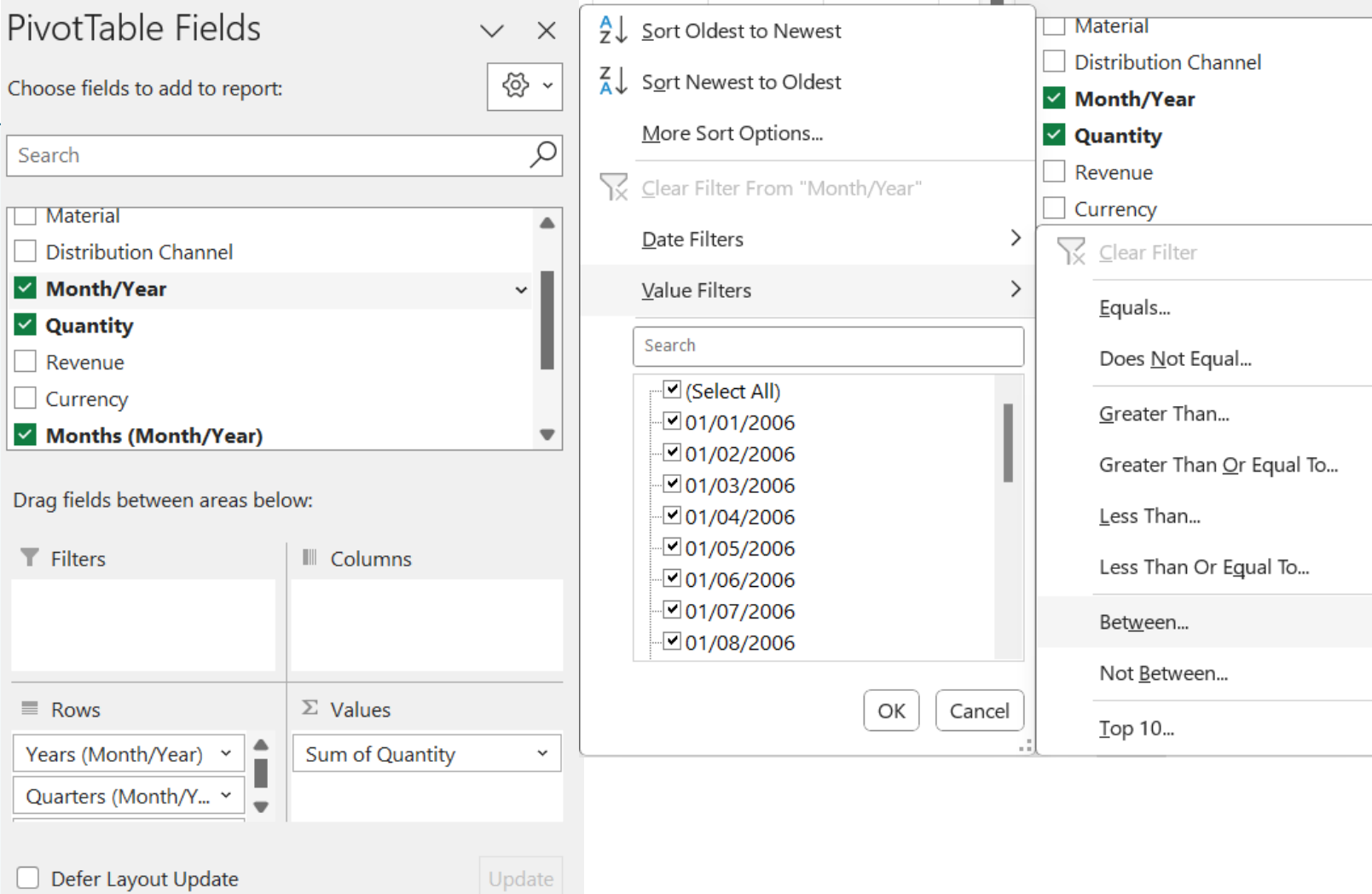
- **Select the data range** that includes the date, material (product), and quantity columns.
- Go to the “**Insert**” tab on the Ribbon and click on “**PivotTable.**”
- In the Create **PivotTable dialog box**, choose where you want the PivotTable report to be placed (new worksheet or existing worksheet).
- Click “OK.”

2. Tutorial Week 2: Exercises

e) What is the biggest selling product in terms of quantity in April 2007?

Filter by Date:

- Click on the drop-down arrow in the Date filter at the top of the PivotTable.
- Choose “Date Filters,” then “Between.”
- Enter the start date as 04/01/2007 and the end date as 04/30/2007 to cover all of April 2007.
- Click “OK” to apply the filter.



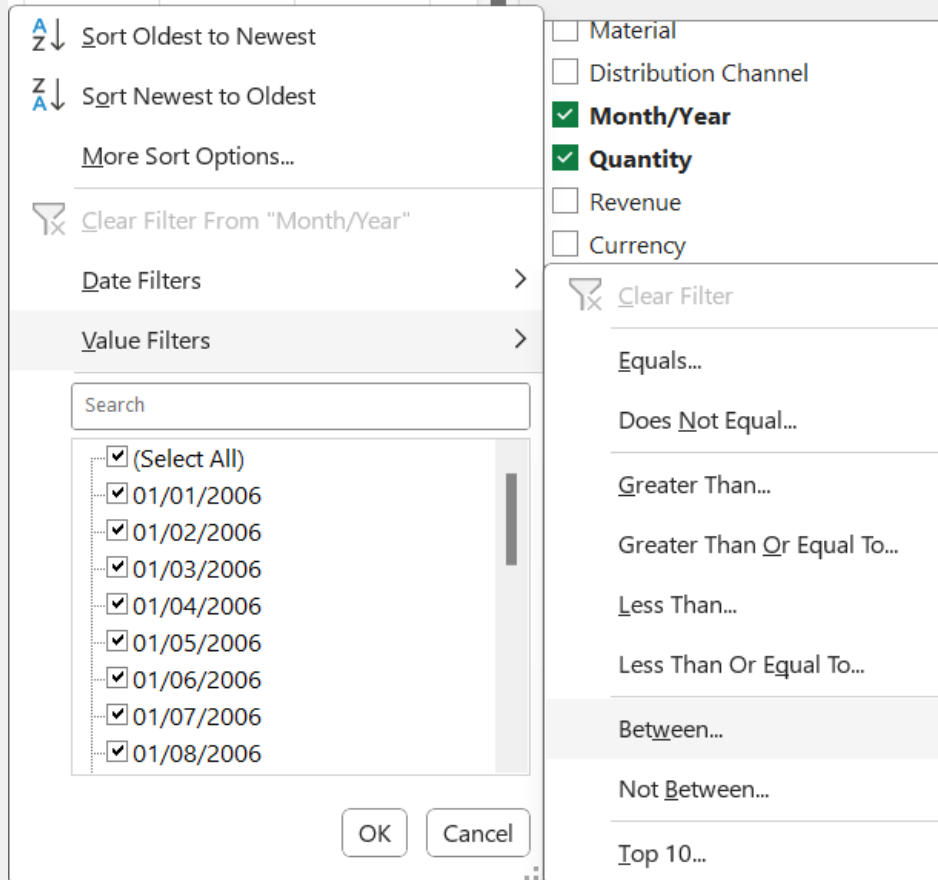
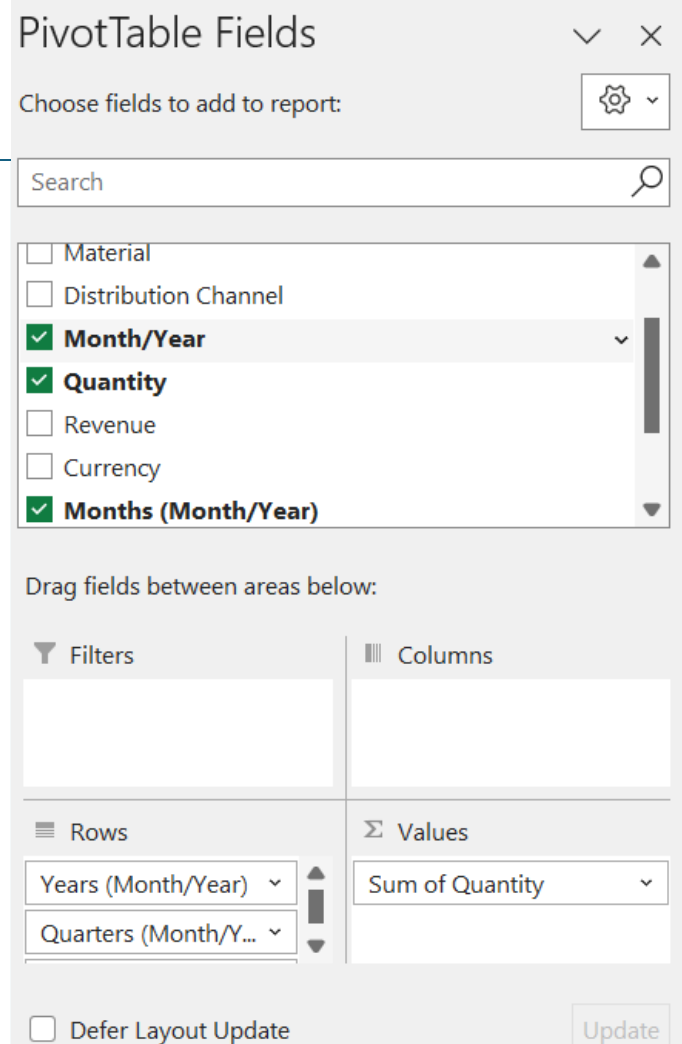
- Select the data range** that includes the date, material (product), and quantity columns.
- Go to the “**Insert**” tab on the Ribbon and click on “**PivotTable.**”
- In the Create **PivotTable dialog box**, choose where you want the PivotTable report to be placed (new worksheet or existing worksheet).
- Click “OK.”

2. Tutorial Week 2: Exercises

e) What is the biggest selling product in terms of quantity in April 2007?

Identify the Biggest Selling Product:

- Look at the PivotTable's "Row Labels" for material/product and corresponding "Sum of Quantity".
- The material/product with the highest "Sum of Quantity" is your biggest selling product for April 2007.

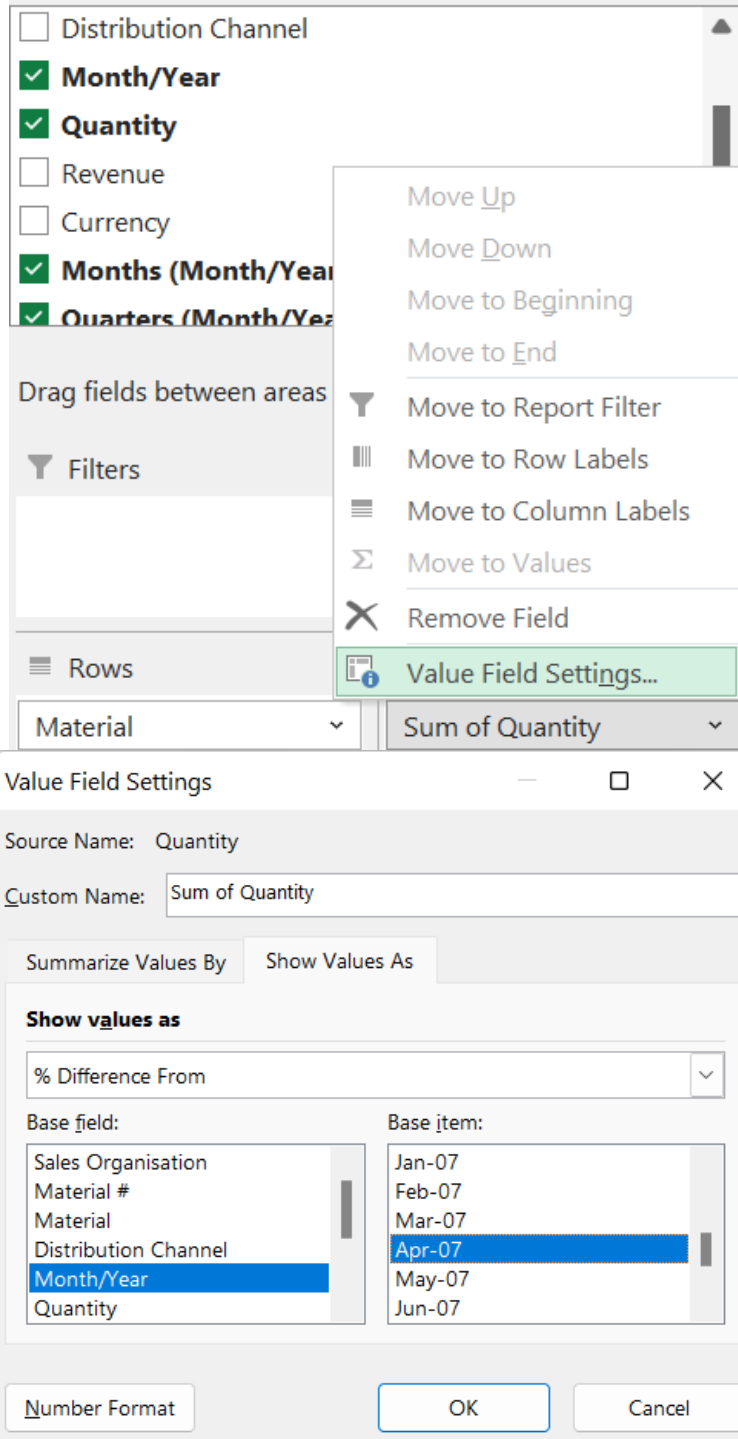


- **Select the data range** that includes the date, material (product), and quantity columns.
- Go to the **"Insert"** tab on the Ribbon and click on **"PivotTable."**
- In the Create **PivotTable dialog box**, choose where you want the PivotTable report to be placed (new worksheet or existing worksheet).
- Click **"OK."**

2. Tutorial Week 2: Exercises

f) Which material had the biggest increase in quantity sold from April 2007 to May 2007?

- We will need to add "**Month/Year**" to the **Columns** or Rows area and "**Material**" to the **other**.
- Add "**Quantity**" to the **Values** area.
- Use the "**Show Values As**" option to calculate the difference from the previous month. This is often found under "Value Field Settings" > "Show Value As" > "**Difference From**" and then select "Month/Year" and "April 2007" as the base item.



The screenshot shows the SAP Value Field Settings dialog box. The 'Source Name' is 'Quantity' and the 'Custom Name' is 'Sum of Quantity'. The 'Show values as' dropdown is set to '% Difference From'. The 'Base field' list includes 'Month/Year' (highlighted in blue). The 'Base item' list includes 'Apr-07' (highlighted in blue). The 'Number Format' is set to 'Number Format'.

Value Field Settings

Source Name: Quantity

Custom Name: Sum of Quantity

Summarize Values By: Show Values As

Show values as

% Difference From

Base field:

- Sales Organisation
- Material #
- Material
- Distribution Channel
- Month/Year
- Quantity

Base item:

- Jan-07
- Feb-07
- Mar-07
- Apr-07
- May-07
- Jun-07

Number Format

OK

Cancel

3. Key assessment dates



Key Assessment Dates

ASSESSMENT	DUE DATE	DUE TIME	LENGTH
Online Quizzes x 4	Refer assessment folder	9.00 pm	15 minutes once test is accessed
Group Case Study	2 June, 2024	11.59 pm	Refer to assignment instructions

ASSESSMENT	DATE	START TIME	DURATION
Final Assessment	TBC	TBC	TBC

Please refer to the assessment folders below for full details regarding submission requirements and times



Online Quizzes Information

ASSESSMENT	QUIZ DATE	QUIZ AVAILABLE
Quiz 1	14 April, 2024	6.00 am – 9.00 pm
Quiz 2	28 April, 2024	6.00 am – 9.00 pm
Quiz 3	12 May, 2024	6.00 am – 9.00 pm
Quiz 4	26 May, 2024	6.00 am – 9.00 pm

3. Key assessment dates



Group Case Study Information ▼

DUE DATE	2 June, 2024
DUE TIME	11.59 pm

This folder contains information about the **Group Case Study** that forms part of the assessment for this unit.

Information includes [instructions to join a group](#), detailed assignment requirements and submission link.



Final Assessment Information ▼

Availability: Item is hidden from students.

This folder contains information about the **Final Assessment** and includes detailed assessment specifications, submission requirements and submission link.

Please note that the assessment and submission link is only available during the period listed above.

The submission link will not be available once the time expires therefore it is strongly recommended you [allow yourself sufficient time to complete the assessment](#) prior to the link closing.

If you do not have internet access or if your connection is poor, it is your responsibility to seek out another source such as a public library, internet café, etc., to submit your assessment within the required time.

No late submissions are allowed.

4. Attendance & Tutorial Questions (Excel: Office.com) - Recognising student participation and engagement specifically identifying those who are most actively involved!

Q1) What is the primary function of a PivotTable in Excel?

A) To alter and manipulate the original dataset.

B) To summarize and analyze large datasets without changing the original data.

C) To convert text data into tables.

D) To create complex formulas for data analysis.

Q2) In the context of PivotTables, what does the term 'slice and dice' refer to?

A) Removing all data from a report.

B) Aggregating all data into a single summary.


C) Viewing the data from different dimensions or perspectives.

D) Navigating from detailed to summarized views of data.

4. Attendance & Tutorial Questions (Excel: Office.com) - Recognising student participation and engagement specifically identifying those who are most actively involved!

Q3) When setting up a PivotTable to analyze the quantity sold by month/year, where should the "Month/Year" and "Quantity" fields be placed?

- A) "Month/Year" in Values and "Quantity" in Rows.
- B) Both "Month/Year" and "Quantity" in Filters.
- C) "Month/Year" in Columns or Rows and "Quantity" in Values.
- D) "Month/Year" in Filters and "Quantity" in Columns.

The image shows a variety of wrapped gifts on a dark wood-grain surface. The gifts are wrapped in different patterns: red with white hearts, red with white snowflakes, brown with red plaid, and brown with red geometric patterns. Most are tied with red ribbons, while one is tied with a green and white checkered ribbon and another with a white string. In the bottom left corner, a pair of hands is shown unwrapping a gift with a red and white snowflake pattern. The text "Thank you, Happy Learning!" is centered over the image in a white, sans-serif font.

Thank you,
Happy Learning!