

BONUS OPMT7750 Assignment

The following exercise assumes you have worked through Chapters 1-6 in the textbook.

For this assignment you will use one file provided:

- Assignment Data.xlsx

Create a new Excel file and save as **A## Bonus Assignment** where **###** is your student ID.

This assignment will test your ability to apply basic unpivot transformations, remove totals & subtotals, and build pivot tables and charts based on your loaded data model.

Please note that this assignment will not provide the detailed instructions given in past assignments – you are required to use your judgement to apply shaping and formatting appropriate to the data.

STEP ONE – Load Your Workbook into Power Query

Use Get Data > From File > From Workbook to load Assignment Data.xlsx

** Remove the Promoted Headers & Change Type applied steps if necessary

STEP TWO – Unpivoting 2x2 Levels of Hierarchy

Reference the exercise 6-5 and 6-6 in Chapter 6.

Some tips:

- In the textbook example your hierarchies were:
 - SUPPLIER CATEGORY > SUPPLIER
 - SALES PERSON > COMPANY
- The assignment data include the following hierarchies:
 - CATEGORY > ITEM
 - REGION > SALES CHANNEL
- Sales = Revenue

STEP THREE – Perform Additional Shaping Steps

Be sure to format your data appropriately.

STEP FOUR – Answer the Assignment Quiz Questions & Upload Your Excel Workbook

Point values are in [brackets].

1. How many rows does your final query have? [1]
2. Knowing that power query is case sensitive, which of the following steps should you take prior to filtering your subtotals to ensure your query will work when the underlying data is updated? [1]
3. What were the **DELIVERY** sales for **REGION C** for **BEEF BURGERS** (rounded to the nearest \$)? Do not include symbols or decimals in your answer. [1]
4. Attach ONE pivot table that illustrates the answer to question 3 and uses conditional formatting to highlight your answer (e.g. the bottom value.) [2]
5. Which CATEGORY contains the BURGER item with the **lowest percentage of Total Sales** in the DRIVE THRU CHANNEL? [1]
6. Attach ONE pivot table that illustrates the answer to question 5, and uses conditional formatting to highlight your answer (e.g. the bottom value.) Round your values to 1 decimal number. [2]
7. Build a pivot table to show the percentage distribution of total sales for all BURGER items by CATEGORY & SALES CHANNEL. Please show subtotals. What % of total sales (rounded to 0 decimals) does the highest selling burger have? [1]
8. Attach ONE pivot table that illustrates the answer to question 7, hiding field headers and renaming value to Sales by Burger. [2]
9. What combination of **REGION** and **SALES CHANNEL** has the highest sales of **BURGER 6**? [2]
10. Upload an image file of a chart that illustrates your answer to question 9, showing **CHANNEL** sales grouped by **REGION**. Format your chart appropriately and include a chart title. [2]

INSTRUCTIONS:

- Do not include extraneous information
- Insert all pivot tables on sheet 1 of the workbook
- To be graded, you must upload your workbook AND complete the quiz online