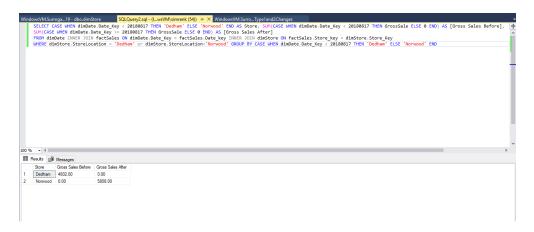
Type 1 and 2 Changes – Project

Q1: Type 2 Change results

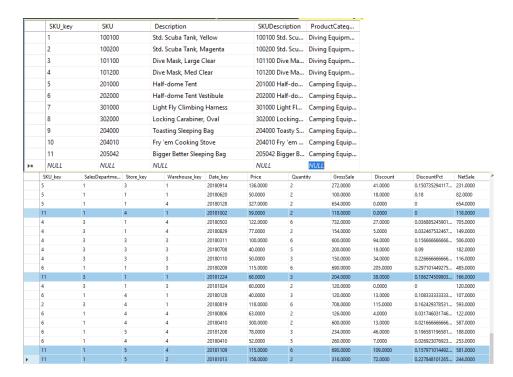


| | | | | | | Sum of Gross Sa | ales Qtr 🔻 | | | | |
|------------------------|------|-----------|---------|---------|--------------------|--------------------|------------|---------|---------|---------|-------------|
| Sum of Gross Sales Qtr | _ | | | | | Store Location | ▼ 2018-Q1 | 2018-Q2 | 2018-Q3 | 2018-Q4 | Grand Total |
| Store Location 2018-Q1 | 2 | 2018-Q2 2 | 2018-Q3 | 2018-Q4 | Grand Total | Boston | 2576 | 3489 | 5157 | 3278 | 14500 |
| Boston | 2576 | 3489 | 5157 | 3278 | 14500 | Danvers | 3173 | 4545 | 3106 | 757 | 11581 |
| Danvers | 3173 | 4545 | 3106 | 757 | 11581 | Dedham | 570 | 1675 | 3983 | | 6228 |
| Dedham | 570 | 1675 | 4857 | 3508 | 10610 | Pawtucket | 2876 | 5322 | 2673 | 1864 | 12735 |
| Pawtucket | 2876 | 5322 | 2673 | 1864 | 12735 | Norwood | | | 874 | 3508 | 4382 |
| Grand Total | 9195 | 15031 | 15793 | 9407 | 49426 | Grand Total | 9195 | 15031 | 15793 | 9407 | 49426 |

- Do the results match?
 - No, the result does not match. Before I made the changes, the baseline table only showed the Dedham store. After making the changes the new pivot table shows that the store belongs to Norwood while also properly disrupting the tax revenue between Dedham and Norwood.
- With a Type 2, change, would the query need to have been written?
 - o I do not think a query is necessary for a Type 2 change.
- Explain why this needs to be a Type 2 change and what problems could arise if a Type 1 change was used instead
 - A type 2 change is needed because the pivot table automatically reflected the correct result without any queries needed. With a Type 1 change you need to write a query to fix any issue. Overall, with the Type 2 change, we have made queries unnecessary, are able to track any changes in the scenario, and correctly report the tax revenue for each town

O2: New Product launch

 Show screenshots from SQL Server with all rows that have been added or modified in each table



• Show your baseline pivot table before the data was changed

| SKU | Sum of Gross Sales | Sum of Discount | Sum of Net Sales |
|---------------------------------|--------------------------------------|-----------------|------------------|
| 100200 Std. Scuba Tank, Magenta | 11329 | 1374 | 9955 |
| 101100 Dive Mask, Large Clear | 8798 | 740 | 8058 |
| 101200 Dive Mask, Med Clear | 8614 | 745 | 7869 |
| 201000 Half-dome Tent | 8620 | 1040 | 7580 |
| 202000 Half-dome Tent Vestibule | 8800 | 1158 | 7642 |
| 204000 Toasty Sleeping Bag | 2040 | 105 | 1935 |
| 204010 Fry 'em Cooking Stove | 1225 | 60 | 1165 |
| Grand Total | 49426 | 5222 | 44204 |

• Show your baseline pivot table after the data was changed

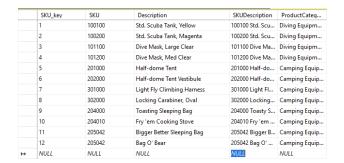
| SKU | ▼ Sum of Gross Sales | Sum of Discount | Sum of Net Sales |
|------------------------------------|-----------------------------|------------------------|------------------|
| 100200 Std. Scuba Tank, Magenta | 11329 | 1374 | 9955 |
| 101100 Dive Mask, Large Clear | 8798 | 740 | 8058 |
| 101200 Dive Mask, Med Clear | 8410 | 707 | 7703 |
| 201000 Half-dome Tent | 8186 | 968 | 7218 |
| 202000 Half-dome Tent Vestibule | 8110 | 1049 | 7061 |
| 204000 Toasty Sleeping Bag | 2040 | 105 | 1935 |
| 204010 Fry 'em Cooking Stove | 1225 | 60 | 1165 |
| 205042 Bigger Better Sleepingn Bag | 1328 | 219 | 1109 |
| Grand Total | 49426 | 5222 | 44204 |

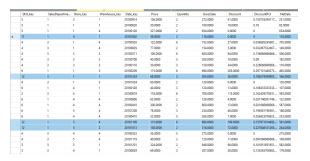
- Describe the changes and why there are differences
- o The main difference between the baseline table and new table is that the new product has been add to the new pivot table. There is also a change in dimSKU and factSales. In dimSKU

I made a new row where I added the new product. In factSales I changed some data because the product launched on Oct 2,

Q3: New Name

 Show screenshots from SQL Server with all rows that have been added or modified in each table





• Show a screenshot of your baseline pivot table before the name change

| SKU | ▼ Sum of Gross Sales | Sum of Discount | Sum of Net Sales |
|------------------------------------|-----------------------------|-----------------|------------------|
| 100200 Std. Scuba Tank, Magenta | 11329 | 1374 | 9955 |
| 101100 Dive Mask, Large Clear | 8798 | 740 | 8058 |
| 101200 Dive Mask, Med Clear | 8410 | 707 | 7703 |
| 201000 Half-dome Tent | 8186 | 968 | 7218 |
| 202000 Half-dome Tent Vestibule | 8110 | 1049 | 7061 |
| 204000 Toasty Sleeping Bag | 2040 | 105 | 1935 |
| 204010 Fry 'em Cooking Stove | 1225 | 60 | 1165 |
| 205042 Bigger Better Sleepingn Bag | 1328 | 219 | 1109 |
| Grand Total | 49426 | 5222 | 44204 |

• Show a screenshot of your baseline pivot table after the name change

| SKU | ▼ Sum of Gross Sales | Sum of Discount | Sum of Net Sales |
|------------------------------------|-----------------------------|-----------------|------------------|
| 100200 Std. Scuba Tank, Magenta | 11329 | 1374 | 9955 |
| 101100 Dive Mask, Large Clear | 8798 | 740 | 8058 |
| 101200 Dive Mask, Med Clear | 8410 | 707 | 7703 |
| 201000 Half-dome Tent | 8186 | 968 | 7218 |
| 202000 Half-dome Tent Vestibule | 8110 | 1049 | 7061 |
| 204000 Toasty Sleeping Bag | 2040 | 105 | 1935 |
| 204010 Fry 'em Cooking Stove | 1225 | 60 | 1165 |
| 205042 Bigger Better Sleepingn Bag | 118 | 0 | 118 |
| 205042 Bag O' Bear | 1210 | 219 | 991 |
| Grand Total | 49426 | 5222 | 44204 |

- Draw a conclusion as to whether the name change was successful or not results can vary depending on the data you entered
 - o In conclusion, I think that the name change was successful. I created a new row where a change SKU_key, Description, and SKUDescription. Then I updated any SKU_key for that product after Oct 4, 2018. Now that the name has been

changed to Bag O' Bear, the sales are predicted to go up. Also, you are able to track and compare sales from before and after the name was changed.