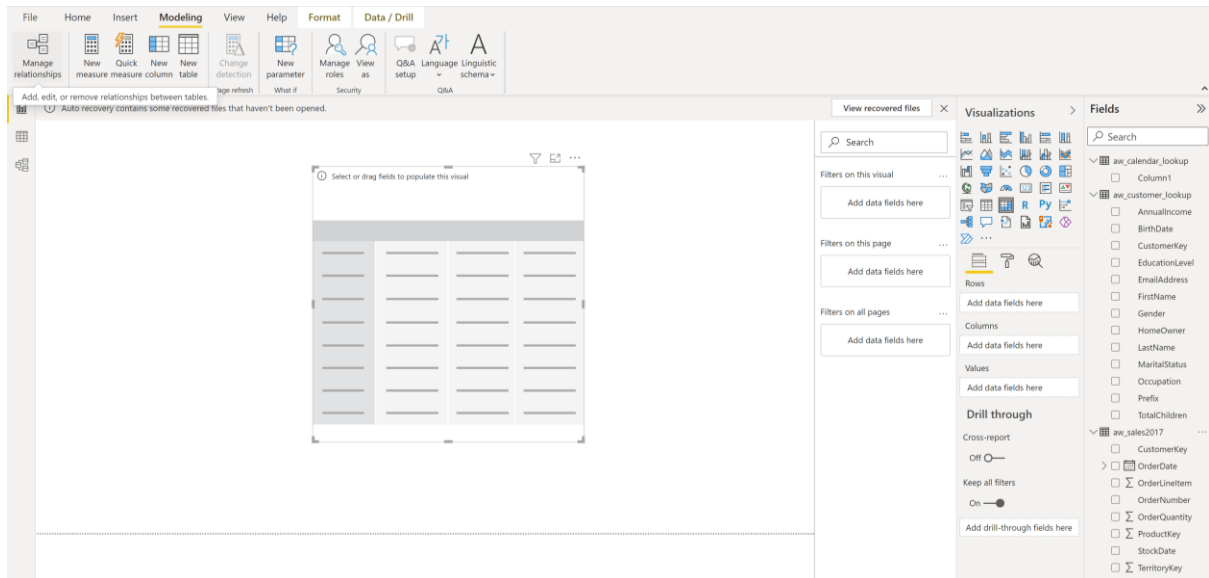Maitha Khalid Alblooshi

Assignment 2   not sure about this! -maitha

Exercise 1

Loaded AW_Sales_2017, customer_lookup, and Calendar_lookup

All remaining relationships are deleted (unclicked)

Exercise 2

Creating a relationship with calendars and sale

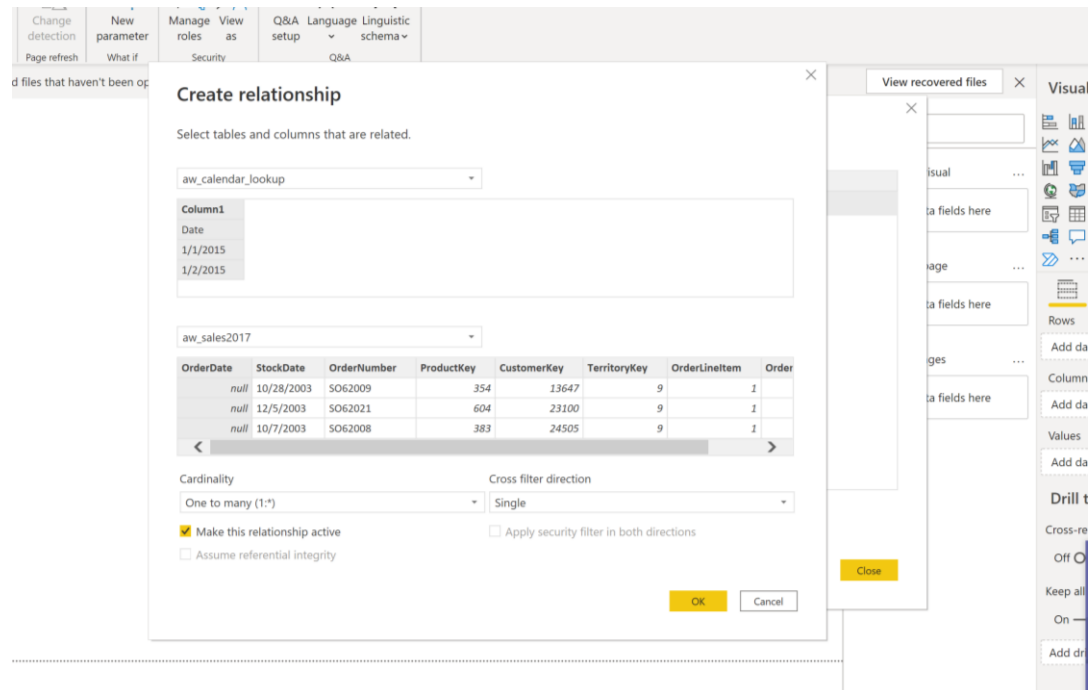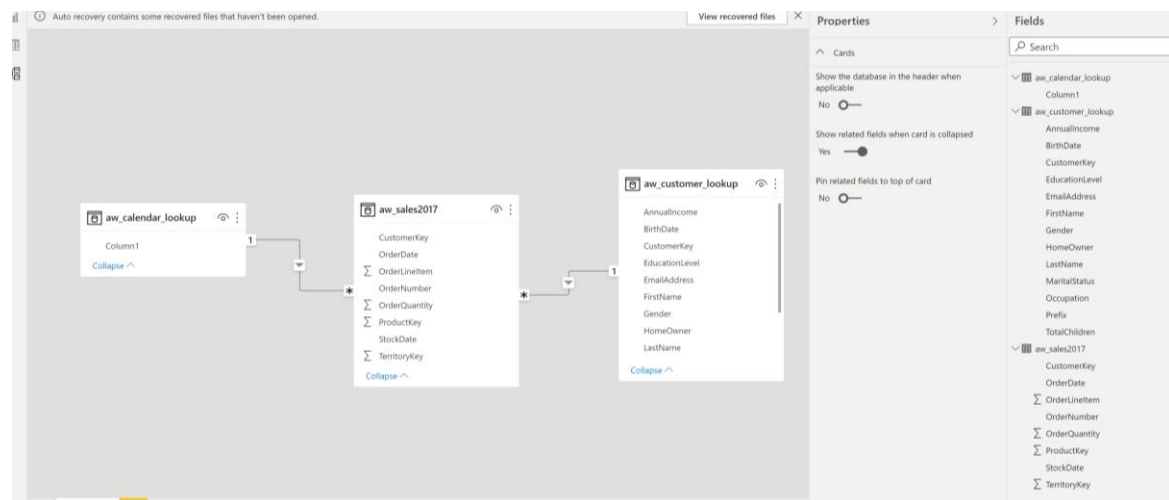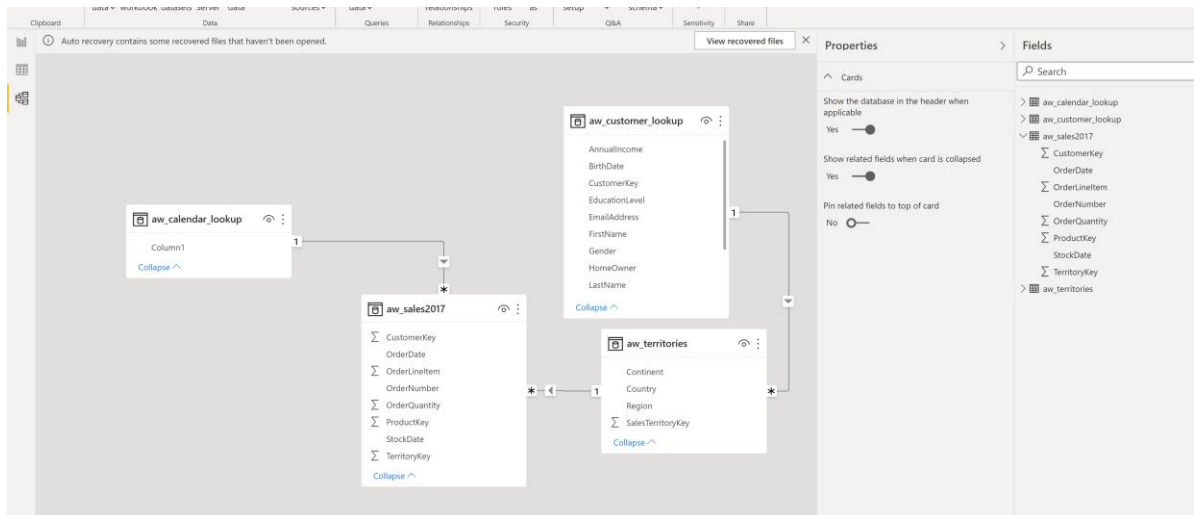Using cardinality of one-to-many and cross filter direction of single aka. One-way

Table with filter one-way; star schema as the fact table is sales and dimension tables are calendar and customers

Snowflake schema; I have to add more workbook

ⓘ Auto recovery contains some recovered files that haven't been opened.   View recovered files   ✕

Properties   >

Fields

🔍 Search

⌄ Cards

Show the database in the header when
applicable

Yes ⬤—

Show related fields when card is collapsed

Yes —⬤

Pin related fields to top of card

No ⬤—

> 🔠 aw_calendar_lookup
> 🔠 aw_customer_lookup
⌄ 🔠 aw_sales2017
 Σ CustomerKey
 OrderDate
 Σ OrderLineItem
 OrderNumber
 Σ OrderQuantity
 Σ ProductKey
 StockDate
 Σ TerritoryKey
> 🔠 aw_territories

---

aw_customer_lookup

 AnnualIncome
 BirthDate
 CustomerKey
 EducationLevel
 EmailAddress
 FirstName
 Gender
 HomeOwner
 LastName
 Collapse ⌄

aw_calendar_lookup

 Column1
 Collapse ⌄

aw_sales2017

 Σ CustomerKey
 OrderDate
 Σ OrderLineItem
 OrderNumber
 Σ OrderQuantity
 Σ ProductKey
 StockDate
 Σ TerritoryKey
 Collapse ⌄

aw_territories

 Continent
 Country
 Region
 Σ SalesTerritoryKey
 Collapse ⌄

Exercise 3

Matrix of category names and return quantity.

Replacing category name to Year

Change date in the calendar to year only

Apply in the matrix

Merge firstname and lastname columns to a new column called fullname

▼	A^B_C FirstName	▼	A^B_C LastName	▼	🞓 BirthDate	▼	A^B_C MaritalStatus	▼	A^B_C Gender
	JON		YANG		08/04/1966	M		M	
	EUGENE		HUANG		14/05/1965	S		M	
	RUBEN		TORRES		12/08/1965	M		M	
	CHRISTY		ZHU		15/02/1968	S		F	
	ELIZABETH		JOHNSON		08/08/1968	S		F	
	JULIO		RUIZ		05/08/1965	S		M	

Merge Columns

Choose how to merge the selected columns.

Separator

Space

New column name (optional)

FullName

OK   Cancel

LUKE	LAL	07/03/1978	S	M

Matrix of fullname and returnquantity

FullName	ReturnQuantity
AARON ADAMS	1828
AARON ALEXANDER	1828
AARON ALLEN	1828
AARON BAKER	1828
AARON BRYANT	1828
AARON BUTLER	1828
AARON CAMPBELL	1828
AARON CARTER	1828
AARON CHEN	1828
AARON COLEMAN	1828
AARON COLLINS	1828
AARON DIAZ	1828
AARON EDWARDS	1828
AARON EVANS	1828
AARON FLORES	1828
AARON FOSTER	1828
AARON GONZALES	1828
AARON GONZALEZ	1828
AARON GREEN	1828
AARON GRIFFIN	1828
AARON HALL	1828
AARON HAYES	1828
AARON HENDERSON	1828
AARON HERNANDEZ	1828
AARON HILL	1828
AARON HUGHES	1828
AARON JAI	1828
AARON JENKINS	1828
AARON KING	1828
AARON KUMAR	1828
Total	**1828**

Search

Filters on this page   ...

Add data fields here

Filters on all pages   ...

Add data fields here

Values

Add data fields here

Drill through

Cross-report

Off ⦿—

Keep all filters

On —⦿

Add drill-through fields here

Search

∨ ⊞ aw_calendar
  › ☐ 🞓 Column1
    ☐ Σ Year
∨ ⊞ aw_product_lookup
    ☐ CategoryName
    ☐ Σ ProductCategory...
∨ ⊞ aw_returns
    ☐ Σ ProductKey
    ☐ ReturnDate
    ☐ Σ ReturnQuantity
    ☐ Σ TerritoryKey
  › ⊞ Copy of Copy of Adven...
∨ ⊞ cw_customer
    ☐ Σ AnnualIncome
  › ☐ 🞓 BirthDate
    ☐ Σ CustomerKey
    ☐ EducationLevel
    ☐ EmailAddress
    ☐ FullName
    ☐ Gender
    ☐ HomeOwner
    ☐ MaritalStatus

Couldn't find orderquantity column

ProductKey	ReturnQuantity
214	70
215	52
220	66
223	46
226	12
229	15
232	15
235	10
310	4
311	7
312	8
313	5
314	5
320	3
322	2
324	3
326	3
328	4
330	6
332	2
334	2
336	1
340	1
342	1
346	2
347	1
348	1
349	1
Total	**1828**

Product 336 has 1 return quantity

Exercise 4

From aw_Returns: ProductKey

ProductKey	ReturnQuantity
214	70
215	52
220	66
223	46
226	12
229	15
232	15
235	10
310	4
311	7
312	8
313	5
314	5
320	3
322	2
324	3
326	3
328	4
330	6
332	2
334	2
336	1
340	1
342	1
Total	**1828**

ProductKey
is (All)

ReturnQuantity
is (All)

Add data fields here

Filters on this page   ...

Add data fields here

Filters on all pages   ...

Add data fields here

Values

ProductKey   ∨ ×

ReturnQuantity   ∨ ×

Drill through

Cross-report

Off ○—

Keep all filters

On —●

Add drill-through fields here

☐ ∑ Year
∨ ⊞ aw_product_lookup
  ☐ ModelName
  ☐ ProductColor
  ☐ ProductCost
  ☐ ProductDescrip.
  ☐ ProductKey
  ☐ ProductName
  ☐ ProductPrice
  ☐ ProductSize
  ☐ ProductSKU
  ☐ ProductStyle
  ☐ ProductSubcat..
∨ ⊞ aw_productcategory_l.
  ☐ CategoryName
  ☐ ∑ ProductCatego.
∨ ⊞ aw_returns
  ☑ ProductKey
  ☐ ReturnDate
  ☑ ∑ ReturnQuantity

Done changing cross filter direction to Both

aw_returns   ▾

ReturnDate	TerritoryKey	ProductKey	ReturnQuantity
7/3/2016	9	477	1
7/11/2016	4	477	1
7/22/2016	1	477	1

aw_product_lookup   ▾

ProductKey	ProductSubcategoryKey	ProductSKU	ProductName	ModelName	Produc
214	31	HL-U509-R	Sport-100 Helmet, Red	Sport-100	Universal fit, well-vent
215	31	HL-U509	Sport-100 Helmet, Black	Sport-100	Universal fit, well-vent
220	31	HL-U509-B	Sport-100 Helmet, Blue	Sport-100	Universal fit, well-vent

Cardinality   Cross filter direction

Many to one (*:1)   ▾   Both   ▾

☑ Make this relationship active   Single
                                          Both
☐ Assume referential integrity

OK   Cancel

Cannot find orderquantity column

Exercise 5

Changed back to Single in cross filer direction

Matrix with ProductKey from AW_Product_Lookup

ReturnQuantity	ProductKey
70	214
52	215
66	220
46	223
12	226
15	229
15	232
10	235
4	310
7	311
8	312
5	313
5	314
3	320
2	322
3	324
3	326
4	328
6	330
2	332
2	334
1	336
1	340
1	342
1828	