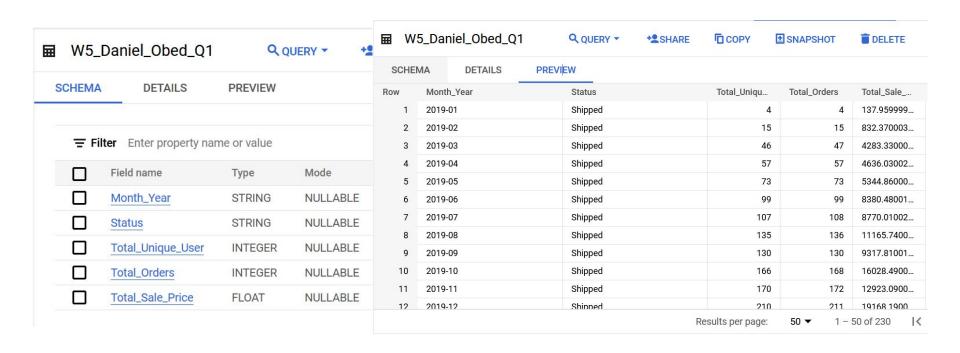
Intermediate Assignment SQL

Daniel Obed

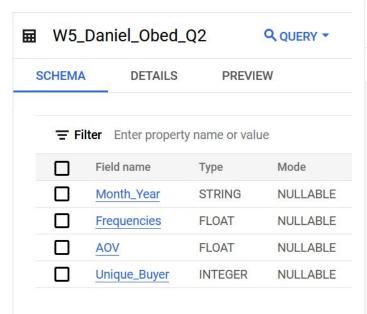
Question 1 Table Result Schema & Table Result



Question 1 SQL Syntax: Link

```
Select
  FORMAT_DATE ("%Y-%m", DATE (T1.created_at)) Month_Year
  ,T1.status Status
  ,COUNT (DISTINCT T1.user_id) Total_Unique_User
  ,COUNT (T1.order_id) Total_Orders
  ,SUM (T2.sale_price * T1.num_of_item) Total_Sale_Price
FROM `bigquery-public-data.thelook_ecommerce.orders` T1
LEFT JOIN `bigquery-public-data.thelook_ecommerce.order_items` T2
ON T1.order_id = T2.id
WHERE T2.created_at BETWEEN '2019-01-01' AND '2022-08-31'
GROUP BY 1,2
ORDER BY 1,2 ASC
```

Question 2 Table Result Schema & Table Result



⊞ W	5_Daniel_Obed_	Q2 QUERY •	+2SHARE	COPY ±
SCHE	MA DETAILS	PREVIEW		
Row	Month_Year	Frequencies	AOV	Unique_Buyer
1	2019-01	1.0	237.333333	3
2	2019-02	1.0	41.2521736	23
3	2019-03	1.0	82.5868000	50
4	2019-04	1.0	81.0892309	52
5	2019-06	1.0	70.3017856	84
6	2019-07	1.0	91.2375000	112
7	2019-09	1.0	78.4161309	168
8	2019-11	1.0	94.0056976	172
9	2019-12	1.0	77.4987499	176
10	2020-01	1.0	83.8581516	211
11	2020-02	1.0	73.2529441	214
12	2021-08	1 00580046	83 8350981	862

Results per page:

Question 2 SQL Syntax: Link

```
SELECT
  FORMAT_DATE ("%Y-%m", DATE (T1.created_at)) Month_Year
  ,COUNT (T1.order_id) / COUNT (DISTINCT (T1.user_id)) Frequencies
  ,AVG (T1.num_of_item * T2.sale_price) AOV
  ,COUNT (DISTINCT T1.user_id) Unique_Buyer
FROM `bigquery-public-data.thelook_ecommerce.orders` T1
LEFT JOIN `bigquery-public-data.thelook_ecommerce.order_items` T2
ON T1.order_id = T2.id
WHERE T1.created_at BETWEEN '2019-01-01' AND '2022-08-31'
AND T1.status = 'Complete'
GROUP BY 1
ORDER BY 1 ASC
```

Question 3 Table Result Schema & Table Result

⊞ W5_	Daniel_Obe	niel_Obed_Q3		
SCHEMA	DETAILS	S PREV	/IEW	
∓Fi	Iter Enter prope	erty name or va	alue	
	Field name	Туре	Mode	
	User_ID	INTEGER	NULLABLE	
	Email	STRING	NULLABLE	
	First_Name	STRING	NULLABLE	
	Last_Name	STRING	NULLABLE	

■ W	5_Daniel_Ob	ed_Q3 QUERY ▼	*SHARE	COPY	■ SNAPSHOT
SCHE	MA DETA	ILS PREVIEW			
Row	User_ID	Email	First_Name		Last_Name
1	55965	amyjames@example.net	Amy		James
2	47892	annblack@example.org	Ann		Black
3	48535	annhartman@example.org	Ann		Hartman
4	8746	ianellis@example.org	lan		Ellis
5	28158	ianreynolds@example.org	lan		Reynolds
6	54798	jaywoodard@example.net	Jay		Woodard
7	97351	jaymcintyre@example.org	Jay		Mcintyre
8	43406	jonperez@example.com	Jon		Perez
9	96096	joysparks@example.com	Joy		Sparks
10	88457	kimmejia@example.org	Kim		Mejia
11	365	leevillanueva@example.org	Lee		Villanueva
12	365	leevillanueva@example org	l ee		Villanueva

Question 3 SQL Syntax: Link

```
SELECT
  T1.id User_ID
  ,T1.email Email
  ,T1.first_name First_Name
  ,T1.last_name Last_Name
FROM `bigquery-public-data.thelook_ecommerce.users` T1
INNER JOIN `bigquery-public-data.thelook_ecommerce.order_items` T2
ON T1.id = T2.user_id
WHERE T2.status = 'Returned'
AND DATE_TRUNC (T2.created_at, MONTH) = '2022-08-01'
ORDER BY 1
```

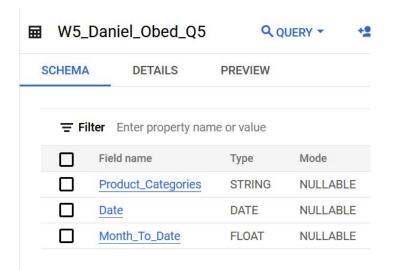
Question 4 Table Result Schema & Table Result

W5_	Daniel_Obed_0	Q4 (QUERY *	⊞ W	5_Daniel_Ob	ed_Q4 QUERY ▼	+2SHARE	COPY	■ SNAPSHOT	DELETE	≜ EXPORT ▼
CHEMA	DETAILS	PREVIEW	V	SCHE	MA DETA	ILS PREVIEW					
10 10 10 10 10 10 10 10 10 10 10 10 10 1				Row	Product_ID	Product_Name	Retail_Price	Cost	Profit_per_Q	Qty_Sold	Profit
∓ Fi	Iter Enter property	name or value		1	24447	Darla	999.0	404.595001	594.404998	15	8916.07498.
	Field name	Туре	Mode	2	2796	ASCIS Cushion Low Socks (Pa	903.0	373.842001	529.157998	16	8466.52797.
	Product_ID	INTEGER	NULLABLE	3	2793	adidas Women's adiFIT Slim Pa	903.0	375.648001	527.351998	13	6855.57598.
	Product_Name	STRING	NULLABLE	4	20228	Faconnable Men's Double Face	487.5	185.737499	301.762500	19	5733.48750.
	Retail_Price	FLOAT	NULLABLE	5	24341	Nobis Yatesy Parka	950.0	381.900002	568.099997	10	5680.99997.
	Cost	FLOAT	NULLABLE								
	Profit_per_Qty	FLOAT	NULLABLE								
	Qty_Sold	INTEGER	NULLABLE								
	Profit	FLOAT	NULLABLE								

Question 4 SQL Syntax: Link

```
SELECT
  T3.id Product ID
  ,T3.name Product_Name
  ,T3.retail_price Retail_Price
  ,T3.cost Cost
  ,(T3.retail_price - T3.cost) Profit_per_Qty
  , SUM (T1.num_of_item) Qty_Sold
  ,SUM ((T3.retail_price - T3.cost) * T1.num_of_item) Profit
FROM `bigguery-public-data.thelook_ecommerce.orders` T1
INNER JOIN `bigquery-public-data.thelook_ecommerce.order_items` T2
ON T1.order_id = T2.id
LEFT JOIN `bigquery-public-data.thelook_ecommerce.products` T3
ON T2.product_id = T3.id
GROUP BY 1,2,3,4
ORDER BY 7 DESC
LIMIT 5
```

Question 5 Table Result Schema & Table Result



W	5_Daniel_Obed_Q5	Q QUERY *	*SHARE		
SCHE	MA DETAILS P	PREVIEW			
ow	Product_Categories	Date	Month_To_D		
1	Accessories	2022-05-15	246.266771		
2	Accessories	2022-05-16 599.35			
3	Accessories	2022-05-17	834.812915		
4	Accessories	2022-05-18 1458.63			
5	Accessories	2022-05-19	1899.89836		
6	Accessories	2022-05-20	1997.24828		
7	Accessories	2022-05-21	2397.37897		
8	Accessories	2022-05-22	2779.29246		
9	Accessories	2022-05-23	3562.78172		
10	Accessories	2022-05-24	3766.18723		
11	Accessories	2022-05-25	4362.13080		
12	Accessories	2022-05-26	4834 45379		

Question 5 SQL Syntax: Link

```
WITH Result AS (
SELECT.
 T3.category Product_Categories
  ,DATE (T1.created_at) Date
  ,SUM((T3.retail_price - T3.cost) * T1.num_of_item) Profit
FROM `bigguery-public-data.thelook ecommerce.orders` T1
INNER JOIN `bigguery-public-data.thelook_ecommerce.order_items` T2
ON T1.order id = T2.id
LEFT JOIN `bigquery-public-data.thelook_ecommerce.products` T3
ON T2.product_id = T3.id
WHERE DATE (T1.created_at) >= DATE_SUB(DATE '2022-08-15' , INTERVAL 3 MONTH)
GROUP BY 1.2
ORDER BY 1.2
SELECT
  Result.Product_Categories
  ,Result.Date
  ,SUM (Result.Profit) OVER (PARTITION BY Result.Product_Categories, EXTRACT(MONTH FROM Result.Date) ORDER BY Result.Date) Month_To_Date
FROM Result
ORDER BY 1,2
```