

## Data Analytics (PowerBI) Mini Project

**Name:** Chittesh Kumar Kanipakam

**Batch:** June-July 2024

**Email-id:** chitteshkumar13@gmail.com

### Dataset: Supermarket Sales Dataset

Supermarket\_sales\_dataset - Excel

RR CSE 5C CHITTESH KUMAR KANIPAKAM

Invoice ID	Branch	City	Customer	Gender	Product line	Unit price	Quantity	Tax %	Total	Date	Time	Payment	cogs	gross margin	percentage	gross income	Rating
2 750-67-84 A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415	548.9715	01-05-2019	13:08	Ewallet	522.83	4.761904762	26.1415	9.1		
3 226-31-30 C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82	80.22	03-08-2019	10:29	Cash	76.4	4.761904762	3.82	9.6		
4 631-41-31 A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5256	03-03-2019	13:23	Credit card	324.31	4.761904762	16.2155	7.4		
5 123-19-11 A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	20:33	Ewallet	465.76	4.761904762	23.288	8.4		
6 373-73-79 A	Yangon	Normal	Male	Sports and travel	86.31	7	30.2085	634.3785	02-08-2019	10:37	Ewallet	604.17	4.761904762	30.2085	5.3		
7 699-14-30 C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	18:30	Ewallet	597.73	4.761904762	29.8865	4.1		
8 355-53-59 A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	14:36	Ewallet	413.04	4.761904762	20.652	5.8		
9 315-22-56 C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	2/24/2019	11:38	Ewallet	735.6	4.761904762	36.78	8		
10 665-32-91 A	Yangon	Member	Female	Health and beauty	36.26	2	3.626	76.148	01-10-2019	17:15	Credit card	72.52	4.761904762	3.626	7.2		
11 692-92-55 B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	13:27	Credit card	164.52	4.761904762	8.226	5.9		
12 351-62-08 B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896	60.816	02-06-2019	18:07	Ewallet	57.92	4.761904762	2.896	4.5		
13 529-56-39 B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102	107.142	03-09-2019	17:03	Cash	102.04	4.761904762	5.102	6.8		
14 365-64-05 A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875	02-12-2019	10:25	Ewallet	234.75	4.761904762	11.7375	7.1		
15 252-56-26 A	Yangon	Normal	Male	Food and beverages	43.19	10	21.595	453.495	02-07-2019	16:48	Ewallet	431.9	4.761904762	21.595	8.2		
16 829-34-39 A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69	749.49	3/29/2019	19:21	Cash	713.8	4.761904762	35.69	5.7		
17 299-46-18 B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116	590.436	1/15/2019	16:19	Cash	562.32	4.761904762	28.116	4.5		
18 656-95-93 A	Yangon	Member	Female	Health and beauty	68.93	7	24.1255	506.6355	03-11-2019	11:03	Credit card	482.51	4.761904762	24.1255	4.6		
19 765-26-69 A	Yangon	Normal	Male	Sports and travel	72.61	6	21.783	457.441	01-01-2019	10:39	Credit card	435.66	4.761904762	21.783	6.9		
20 329-62-15 A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	1/21/2019	18:00	Credit card	164.01	4.761904762	8.2005	8.6		
21 319-50-33 B	Mandalay	Normal	Female	Home and lifestyle	40.3	2	4.03	84.63	03-11-2019	15:30	Ewallet	80.6	4.761904762	4.03	4.4		
22 300-71-46 C	Naypyitaw	Member	Male	Electronic accessories	86.04	5	21.51	451.71	2/25/2019	11:24	Ewallet	430.2	4.761904762	21.51	4.8		
23 371-85-57 B	Mandalay	Normal	Male	Health and beauty	87.98	3	13.197	277.137	03-05-2019	10:40	Ewallet	263.94	4.761904762	13.197	5.1		
24 273-16-66 B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	3/15/2019	12:20	Credit card	66.4	4.761904762	3.32	4.4		
25 636-48-82 A	Yangon	Normal	Male	Electronic accessories	34.56	5	8.64	181.44	2/17/2019	11:15	Ewallet	172.8	4.761904762	8.64	9.9		
26 549-59-13 A	Yangon	Member	Male	Sports and travel	88.63	3	13.2945	279.1845	03-02-2019	17:36	Ewallet	265.89	4.761904762	13.2945	6		
27 227-03-50 A	Yangon	Member	Female	Home and lifestyle	52.59	8	21.036	441.756	3/22/2019	19:20	Credit card	420.72	4.761904762	21.036	8.5		

- First, we should convert above database into table

Supermarket\_sales\_dataset - Excel

Table Tools

Table Name: Table1

File Home Insert Page Layout Formulas Data Review View Developer Help Power Pivot Terabox Table Design Tell me what you want to do

Properties Tools External Table Data Table Style Options Table Styles

N1001 618.38

1	Invoice ID	Branch	City	Customer type	Gender	Product line	G	H	I	J	K	L	M	N	O	P	Q	R
2	750-67-8428 A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415	548.9715	01-05-2019	13:08	E wallet	522.83	4.761904762	26.1415	9.1		
3	226-31-3081 C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82	80.22	03-08-2019	10:29	Cash	76.4	4.761904762	3.82	9.6		
4	631-41-3108 A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255	03-03-2019	13:23	Credit card	324.31	4.761904762	16.2155	7.4		
5	123-19-1176 A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	01/27/2019	13:03	E wallet	465.76	4.761904762	23.288	8.4		
6	373-73-7910 A	Yangon	Normal	Male	Sports and travel	86.31	7	30.2085	634.3785	02-08-2019	10:37	E wallet	604.47	4.761904762	30.2085	5.3		
7	699-14-3026 C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	13:08	E wallet	597.73	4.761904762	29.8865	4.1		
8	355-53-5943 A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	14:36	E wallet	413.04	4.761904762	20.652	5.8		
9	315-22-5665 C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	2/24/2019	11:38	E wallet	735.6	4.761904762	36.78	8		
10	665-32-9167 A	Yangon	Member	Female	Health and beauty	36.26	2	3.26	76.145	01-10-2019	17:15	Credit card	72.52	4.761904762	3.626	7.2		
11	692-92-5582 B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/02/2019	13:27	Credit card	164.52	4.761904762	8.226	5.9		
12	351-62-0822 B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896	60.816	02-06-2019	18:07	E wallet	57.92	4.761904762	2.896	4.5		
13	529-56-3974 B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102	107.142	03-09-2019	17:03	Cash	102.04	4.761904762	5.102	6.8		
14	365-64-0515 A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875	02-12-2019	10:25	E wallet	234.75	4.761904762	11.7375	7.1		
15	252-56-2699 A	Yangon	Normal	Male	Food and beverages	43.19	10	21.595	453.495	02-07-2019	16:44	E wallet	431.9	4.761904762	21.595	8.2		
16	829-34-3910 A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69	749.49	3/29/2019	19:21	Cash	713.8	4.761904762	35.69	5.7		
17	299-46-1805 B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116	590.436	1/15/2019	16:19	Cash	562.32	4.761904762	28.116	4.5		
18	656-95-9349 A	Yangon	Member	Female	Health and beauty	68.93	7	24.1255	506.6355	03-11-2019	11:03	Credit card	482.51	4.761904762	24.1255	4.6		
19	765-26-6951 A	Yangon	Normal	Male	Sports and travel	72.61	6	21.783	457.443	01-01-2019	10:39	Credit card	435.66	4.761904762	21.783	6.9		
20	329-62-1586 A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	2/1/2019	18:00	Credit card	164.01	4.761904762	8.2005	8.6		
21	319-50-3348 B	Mandalay	Normal	Female	Home and lifestyle	40.3	2	4.03	84.63	03-11-2019	15:30	E wallet	80.6	4.761904762	4.03	4.4		
22	300-71-4605 C	Naypyitaw	Member	Male	Electronic accessories	86.04	5	21.51	451.71	2/25/2019	11:24	E wallet	430.2	4.761904762	21.51	4.8		
23	371-85-5789 B	Mandalay	Normal	Male	Health and beauty	87.98	3	13.197	277.137	03-05-2019	10:04	E wallet	263.94	4.761904762	13.197	5.1		
24	273-16-6619 B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	3/15/2019	12:20	Credit card	66.4	4.761904762	3.32	4.4		
25	636-48-8204 A	Yangon	Normal	Male	Electronic accessories	34.56	5	8.64	181.44	2/17/2019	11:15	E wallet	172.8	4.761904762	8.64	9.9		
26	549-59-1358 A	Yangon	Member	Male	Sports and travel	88.63	3	13.2945	279.1845	03-02-2019	17:36	E wallet	265.89	4.761904762	13.2945	6		
27	227-03-5010 A	Yangon	Member	Female	Home and lifestyle	52.59	8	21.036	441.756	3/2/2019	19:20	Credit card	420.72	4.761904762	21.036	8.5		

- In the above image, the Date column contains entries in two formats: dd-mm-yyyy and mm/dd/yyyy. To facilitate easier analysis, we will standardize all date entries to the dd-mm-yyyy format in the following steps below.

supermarket\_sales - Sheet1 - Excel

Table Tools

File Home Insert Page Layout Formulas Data Review View Developer Help Power Pivot Terabox Table Design Tell me what you want to do

Font Alignment Number Styles Cells Editing

IF =IF(ISNUMBER(K5), K5, RIGHT(TRIM(K5),4))

1	Invoice ID	Branch	City	Customer type	Gender	Product line	G	H	I	J	K	L	M	N	O	P	Q	R
5	123-19-1176 A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	20:33	E wallet	465.65	4.7				
6	699-14-3026 C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	18:30	E wallet	597.73	4.7				
8	355-53-5943 A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	14:36	E wallet	413.04	4.7				
9	315-22-5665 C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	2/24/2019	11:38	E wallet	735.6	4.7				
11	692-92-5582 B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	13:27	Credit card	164.52	4.7				
16	829-34-3910 A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69	749.49	3/29/2019	19:21	Cash	713.8	4.7				
17	299-46-1805 B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116	590.436	1/15/2019	16:19	Cash	562.32	4.7				
20	329-62-1586 A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	2/1/2019	18:00	Credit card	164.01	4.7				
22	300-71-4605 C	Naypyitaw	Member	Male	Electronic accessories	86.04	5	21.51	451.71	2/25/2019	11:24	E wallet	430.2	4.7				
24	273-16-6619 B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	3/15/2019	12:20	Credit card	66.4	4.7				
25	636-48-8204 A	Yangon	Normal	Male	Electronic accessories	34.56	5	8.64	181.44	2/17/2019	11:15	E wallet	172.8	4.7				
27	227-03-5010 A	Yangon	Member	Female	Home and lifestyle	52.59	8	21.036	441.756	3/22/2019	19:20	Credit card	420.72	4.7				
30	145-94-9061 B	Mandalay	Normal	Female	Food and beverages	88.36	5	22.09	463.89	1/25/2019	19:48	Cash	441.8	4.7				
31	848-62-7243 A	Yangon	Normal	Male	Health and beauty	24.89	9	11.2005	235.2105	3/15/2019	15:36	Cash	224.01	4.7				
32	871-79-8483 B	Mandalay	Normal	Male	Fashion accessories	94.13	5	23.5235	494.1825	2/25/2019	19:39	Credit card	470.65	4.7				
33	149-71-6266 B	Mandalay	Member	Male	Sports and travel	78.07	9	35.1315	737.7615	1/28/2019	12:43	Cash	702.63	4.7				
35	595-11-5460 A	Yangon	Normal	Male	Health and beauty	96.58	2	9.658	202.818	3/15/2019	10:12	Credit card	193.16	4.7				
39	272-65-1806 A	Yangon	Normal	Female	Electronic accessories	60.88	9	27.396	575.316	1/15/2019	17:17	E wallet	547.92	4.7				
40	333-73-7901 C	Naypyitaw	Normal	Female	Health and beauty	54.92	8	21.968	461.328	3/23/2019	13:24	E wallet	439.36	4.7				
42	280-35-5823 B	Mandalay	Member	Female	Home and lifestyle	86.72	1	4.336	91.056	1/17/2019	18:45	E wallet	86.72	4.7				
46	617-15-4209 C	Naypyitaw	Member	Male	Health and beauty	15.37	2	1.537	32.277	3/16/2019	19:47	Cash	30.74	4.7				
48	370-41-7321 B	Mandalay	Member	Male	Health and beauty	56.69	9	25.5105	535.7205	2/27/2019	17:24	Credit card	510.21	4.7				
51	574-22-5561 C	Naypyitaw	Member	Female	Fashion accessories	82.63	10	41.315	867.615	3/19/2019	17:08	E wallet	826.3	4.7				
54	616-24-2851 B	Mandalay	Member	Female	Fashion accessories	17.87	4	3.574	75.054	3/22/2019	14:42	E wallet	71.48	4.7				
55	787-71-5554 C	Naypyitaw	Member	Male	Fashion accessories	15.43	1	0.7715	16.2015	1/25/2019	15:46	Credit card	15.43	4.7				
57	399-46-5918 C	Naypyitaw	Normal	Female	Electronic accessories	85.98	8	34.392	722.232	2/28/2019	19:01	Cash	687.84	4.7				

supermarket\_sales - Sheet1 - Excel

File Home Insert Page Layout Formulas Data Review View Developer Help Power Pivot Terabox Table Design Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing

IF  $=IF(ISNUMBER(K5),K5,LEFT(TRIM(K5),1))$

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax %	Total	Date	Year	Month	Day	Valid date	Time	Payment	cogs	gross margin per
5 123-19-1176 A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	2019	1	=IF(ISNUMBER(K5),K5,LEFT(TRIM(K5),1))	20:33 Ewallet	465.76	4.7			
7 699-14-3026 C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	2019	3	IF(logical_test, [value_if_true], [value_if_false])	18:30 Ewallet	597.73	4.7			
8 355-53-5943 A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	2019	2		14:36 Ewallet	413.04	4.7			
9 315-22-5665 C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	2/24/2019	2019	2		11:38 Ewallet	735.6	4.7			
11 692-92-5582 B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	2019	2		13:27 Credit card	164.52	4.7			
16 829-34-3910 A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69	749.49	3/29/2019	2019	3		19:21 Cash	713.8	4.7			
17 299-46-1805 B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116	590.436	1/15/2019	2019	1		16:19 Cash	562.32	4.7			
20 329-62-1586 A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	1/21/2019	2019	1		18:00 Credit card	164.01	4.7			
22 300-71-4605 C	Naypyitaw	Member	Male	Electronic accessories	86.04	5	21.51	451.71	2/25/2019	2019	2		11:24 Ewallet	430.2	4.7			
24 273-16-6619 B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	3/15/2019	2019	3		12:20 Credit card	66.4	4.7			
25 636-48-8204 A	Yangon	Normal	Male	Electronic accessories	34.56	5	8.64	181.44	2/17/2019	2019	2		11:15 Ewallet	172.8	4.7			
27 227-03-5010 A	Yangon	Member	Female	Home and lifestyle	52.59	8	21.036	441.756	3/22/2019	2019	3		19:20 Credit card	420.72	4.7			
30 145-94-9061 B	Mandalay	Normal	Female	Food and beverages	88.36	5	22.09	463.89	1/25/2019	2019	1		19:48 Cash	441.8	4.7			
31 848-62-7243 A	Yangon	Normal	Male	Health and beauty	24.89	9	11.2005	235.2105	3/15/2019	2019	3		15:36 Cash	224.01	4.7			
32 871-79-8483 B	Mandalay	Normal	Male	Fashion accessories	94.13	5	23.5325	494.1825	2/25/2019	2019	2		19:39 Credit card	470.65	4.7			
33 149-71-6266 B	Mandalay	Member	Male	Sports and travel	78.07	9	35.1315	737.7615	1/28/2019	2019	1		12:43 Cash	702.63	4.7			
35 595-11-5460 A	Yangon	Normal	Male	Health and beauty	96.58	2	9.658	202.8188	3/15/2019	2019	3		10:12 Credit card	193.16	4.7			
39 272-65-1806 A	Yangon	Normal	Female	Electronic accessories	60.88	9	27.396	575.316	1/15/2019	2019	1		17:17 Ewallet	547.92	4.7			
40 333-73-7901 C	Naypyitaw	Normal	Female	Health and beauty	54.92	8	21.968	461.328	3/23/2019	2019	3		13:24 Ewallet	439.36	4.7			
42 280-35-5823 B	Mandalay	Member	Female	Home and lifestyle	86.72	1	4.336	91.056	1/17/2019	2019	1		18:45 Ewallet	86.72	4.7			
46 617-15-4209 C	Naypyitaw	Member	Male	Health and beauty	15.37	2	1.537	32.277	3/16/2019	2019	3		19:47 Cash	30.74	4.7			
48 370-41-7321 B	Mandalay	Member	Male	Health and beauty	56.69	9	25.5105	535.7205	2/27/2019	2019	2		17:24 Credit card	510.21	4.7			
51 574-22-5561 C	Naypyitaw	Member	Female	Fashion accessories	82.63	10	41.315	867.615	3/19/2019	2019	3		17:08 Ewallet	826.3	4.7			
54 616-24-2851 B	Mandalay	Member	Female	Fashion accessories	17.87	4	3.574	75.054	3/22/2019	2019	3		14:42 Ewallet	71.48	4.7			
55 778-71-5554 C	Naypyitaw	Member	Male	Fashion accessories	15.43	1	0.7715	16.2015	1/25/2019	2019	1		15:46 Credit card	15.43	4.7			
57 399-46-5918 C	Naypyitaw	Normal	Female	Electronic accessories	85.98	8	34.392	722.232	2/28/2019	2019	2		19:01 Cash	687.84	4.7			

supermarket\_sales - Sheet1 - Excel

File Home Insert Page Layout Formulas Data Review View Developer Help Power Pivot Terabox Table Design Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing

IF  $=IF(ISNUMBER(K5), K5, MID(K5, FIND("/", K5) + 1, 2))$

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax %	Total	Date	Year	Month	Day	Valid date	Time	Payment	cogs	gross margin per
5 123-19-1176 A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	2019	1	=IF(ISNUMBER(K5), K5, MID(K5, FIND("/", K5) + 1, 2))	20:33 Ewallet	465.76	4.7			
7 699-14-3026 C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	2019	3		18:30 Ewallet	597.73	4.7			
8 355-53-5943 A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	2019	2		14:36 Ewallet	413.04	4.7			
9 315-22-5665 C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	2/24/2019	2019	2		11:38 Ewallet	735.6	4.7			
11 692-92-5582 B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	2019	2		13:27 Credit card	164.52	4.7			
16 829-34-3910 A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69	749.49	3/29/2019	2019	3		19:21 Cash	713.8	4.7			
17 299-46-1805 B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116	590.436	1/15/2019	2019	1		16:19 Cash	562.32	4.7			
20 329-62-1586 A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	1/21/2019	2019	1		18:00 Credit card	164.01	4.7			
22 300-71-4605 C	Naypyitaw	Member	Male	Electronic accessories	86.04	5	21.51	451.71	2/25/2019	2019	2		11:24 Ewallet	430.2	4.7			
24 273-16-6619 B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	3/15/2019	2019	3		12:20 Credit card	66.4	4.7			
25 636-48-8204 A	Yangon	Normal	Male	Electronic accessories	34.56	5	8.64	181.44	2/17/2019	2019	2		11:15 Ewallet	172.8	4.7			
27 227-03-5010 A	Yangon	Member	Female	Home and lifestyle	52.59	8	21.036	441.756	3/22/2019	2019	3		19:20 Credit card	420.72	4.7			
30 145-94-9061 B	Mandalay	Normal	Female	Food and beverages	88.36	5	22.09	463.89	1/25/2019	2019	1		19:48 Cash	441.8	4.7			
31 848-62-7243 A	Yangon	Normal	Male	Health and beauty	24.89	9	11.2005	235.2105	3/15/2019	2019	3		15:36 Cash	224.01	4.7			
32 871-79-8483 B	Mandalay	Normal	Male	Fashion accessories	94.13	5	23.5325	494.1825	2/25/2019	2019	2		19:39 Credit card	470.65	4.7			
33 149-71-6266 B	Mandalay	Member	Male	Sports and travel	78.07	9	9.351315	737.7615	1/28/2019	2019	1		12:43 Cash	702.63	4.7			
35 595-11-5460 A	Yangon	Normal	Male	Health and beauty	96.58	2	9.658	202.8188	3/15/2019	2019	3		10:12 Credit card	193.16	4.7			
39 272-65-1806 A	Yangon	Normal	Female	Electronic accessories	60.88	9	27.396	575.316	1/15/2019	2019	1		17:17 Ewallet	547.92	4.7			
40 333-73-7901 C	Naypyitaw	Normal	Female	Health and beauty	54.92	8	21.968	461.328	3/23/2019	2019	3		13:24 Ewallet	439.36	4.7			
42 280-35-5823 B	Mandalay	Member	Female	Home and lifestyle	86.72	1	4.336	91.056	1/17/2019	2019	1		18:45 Ewallet	86.72	4.7			
46 617-15-4209 C	Naypyitaw	Member	Male	Health and beauty	15.37	2	1.537	32.277	3/16/2019	2019	3		19:47 Cash	30.74	4.7			
48 370-41-7321 B	Mandalay	Member	Male	Health and beauty	56.69	9	25.5105	535.7205	2/27/2019	2019	2		17:24 Credit card	510.21	4.7			
51 574-22-5561 C	Naypyitaw	Member	Female	Fashion accessories	82.63	10	41.315	867.615	3/19/2019	2019	3		17:08 Ewallet	826.3	4.7			
54 616-24-2851 B	Mandalay	Member	Female	Fashion accessories	17.87	4	3.574	75.054	3/22/2019	2019	3		14:42 Ewallet	71.48	4.7			
55 778-71-5554 C	Naypyitaw	Member	Male	Fashion accessories	15.43	1	0.7715	16.2015	1/25/2019	2019	1		15:46 Credit card	15.43	4.7			
57 399-46-5918 C	Naypyitaw	Normal	Female	Electronic accessories	85.98	8	34.392	722.232	2/28/2019	2019	2		19:01 Cash	687.84	4.7			

supermarket\_sales - Sheet1 - Excel

File Home Insert Page Layout Formulas Data Review View Developer Help Power Pivot Terabox Table Design Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing Add-ins Save to TeraBox Save

IF : =DATE([@Year],[@Month],[@Day])

Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax %	Total	Date	Year	Month	Day	Valid date	Time	Payment	cogs	gross margin per
5123-19-1176 A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	2019	1	27	=DATE([@Year],[@Month],[@Day])	18:30	Ewallet	465.76	4.7	
699-14-3026 C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	2019	3	25	=DATE([@Year],[@Month],[@Day])	19:57	Ewallet	597.73	4.7	
8355-53-5943 A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	2019	2	25	=DATE([@Year],[@Month],[@Day])	14:36	Ewallet	413.04	4.7	
315-22-5665 C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	2/24/2019	2019	2	24	=DATE([@Year],[@Month],[@Day])	11:38	Ewallet	735.6	4.7	
692-92-5582 B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	2019	2	20	=DATE([@Year],[@Month],[@Day])	13:27	Credit card	164.52	4.7	
829-34-3910 A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69	749.49	3/29/2019	2019	3	29	=DATE([@Year],[@Month],[@Day])	19:21	Cash	713.8	4.7	
2799-46-1805 B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116	590.438	1/15/2019	2019	1	15	=DATE([@Year],[@Month],[@Day])	16:19	Cash	562.32	4.7	
329-62-1586 A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	1/21/2019	2019	1	21	=DATE([@Year],[@Month],[@Day])	18:00	Credit card	164.01	4.7	
300-71-4605 C	Naypyitaw	Member	Male	Electronic accessories	86.04	5	21.51	451.71	2/25/2019	2019	2	25	=DATE([@Year],[@Month],[@Day])	11:24	Ewallet	430.2	4.7	
273-16-6619 B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	3/15/2019	2019	3	15	=DATE([@Year],[@Month],[@Day])	12:20	Credit card	66.4	4.7	
636-48-8204 A	Yangon	Normal	Male	Electronic accessories	34.56	5	8.64	181.44	2/17/2019	2019	2	17	=DATE([@Year],[@Month],[@Day])	11:15	Ewallet	172.8	4.7	
227-03-5010 A	Yangon	Member	Female	Home and lifestyle	52.59	8	21.036	441.759	3/22/2019	2019	3	22	=DATE([@Year],[@Month],[@Day])	19:20	Credit card	420.72	4.7	
3045-94-9061 B	Mandalay	Normal	Female	Food and beverages	88.36	5	22.09	463.89	1/25/2019	2019	1	25	=DATE([@Year],[@Month],[@Day])	19:48	Cash	441.8	4.7	
31848-62-7243 A	Yangon	Normal	Male	Health and beauty	24.89	9	11.2005	235.2105	3/15/2019	2019	3	15	=DATE([@Year],[@Month],[@Day])	15:36	Cash	224.01	4.7	
32871-79-8483 B	Mandalay	Normal	Male	Fashion accessories	94.13	5	23.5325	494.1825	2/25/2019	2019	2	25	=DATE([@Year],[@Month],[@Day])	19:39	Credit card	470.65	4.7	
33149-71-6266 B	Mandalay	Member	Male	Sports and travel	78.07	9	35.1315	737.7615	1/28/2019	2019	1	28	=DATE([@Year],[@Month],[@Day])	12:43	Cash	702.63	4.7	
3595-11-5460 A	Yangon	Normal	Male	Health and beauty	96.58	2	9.658	202.818	3/15/2019	2019	3	15	=DATE([@Year],[@Month],[@Day])	10:12	Credit card	193.16	4.7	
39272-65-1806 A	Yangon	Normal	Female	Electronic accessories	60.88	9	27.396	575.316	3/15/2019	2019	1	15	=DATE([@Year],[@Month],[@Day])	17:17	Ewallet	547.92	4.7	
40333-73-7901 C	Naypyitaw	Normal	Female	Health and beauty	54.92	8	21.968	461.328	3/23/2019	2019	3	23	=DATE([@Year],[@Month],[@Day])	13:24	Ewallet	439.36	4.7	
42280-35-5823 B	Mandalay	Member	Female	Home and lifestyle	86.72	1	4.336	91.056	1/17/2019	2019	1	17	=DATE([@Year],[@Month],[@Day])	18:45	Ewallet	86.72	4.7	
46617-15-4209 C	Naypyitaw	Member	Male	Health and beauty	15.37	2	1.537	32.277	3/16/2019	2019	3	16	=DATE([@Year],[@Month],[@Day])	16:03	Cash	30.74	4.7	
48370-41-7321 B	Mandalay	Member	Male	Health and beauty	56.69	9	25.5105	535.7205	2/27/2019	2019	2	27	=DATE([@Year],[@Month],[@Day])	17:24	Credit card	510.21	4.7	
51551-74-22561 C	Naypyitaw	Member	Female	Fashion accessories	82.63	10	41.315	867.615	3/19/2019	2019	3	19	=DATE([@Year],[@Month],[@Day])	17:08	Ewallet	826.3	4.7	
54616-24-2851 B	Mandalay	Member	Female	Fashion accessories	17.87	4	3.574	75.054	3/22/2019	2019	3	22	=DATE([@Year],[@Month],[@Day])	14:42	Ewallet	71.48	4.7	
57578-71-5554 C	Naypyitaw	Member	Male	Fashion accessories	15.43	1	0.7715	16.2015	1/25/2019	2019	1	25	=DATE([@Year],[@Month],[@Day])	15:46	Credit card	15.43	4.7	
573399-46-5918 C	Naypyitaw	Normal	Female	Electronic accessories	85.98	8	34.392	722.232	2/28/2019	2019	2	28	=DATE([@Year],[@Month],[@Day])	19:01	Cash	687.84	4.7	

supermarket\_sales - Sheet1 - Excel

File Home Insert Page Layout Formulas Data Review View Developer Help Power Pivot Terabox Table Design Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing Add-ins Save to TeraBox Save

IF : =IF(ISNUMBER(K6), K6, RIGHT(TRIM(K6),4))

Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax %	Total	Date	Year	Month	Day	Valid date	Time	Payment	cogs	gross margin per
2750-67-8428 A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415	548.9715	01-05-2019	01-05-19	01-05-19	01-05-19	#NUM!	13:08	Ewallet	522.83	4.7	
3226-31-3081 C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82	80.22	03-08-2019	03-08-19	03-08-19	03-08-19	#NUM!	10:29	Cash	76.4	4.7	
4631-41-3108 A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255	03-03-2019	03-03-19	03-03-19	03-03-19	#NUM!	13:23	Credit card	324.31	4.7	
5123-19-1176 A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	01-27-2019	2019	1	27	=DATE([@Year],[@Month],[@Day])	20:33	Ewallet	465.76	4.7	
6373-73-7910 A	Yangon	Normal	Male	Sports and travel	86.31	7	30.2085	634.3785	02-08-2019	02-08-19	02-08-19	02-08-19	#NUM!	10:37	Ewallet	604.17	4.7	
7699-14-3026 C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	03/25/2019	2019	3	25	=DATE([@Year],[@Month],[@Day])	18:30	Ewallet	597.73	4.7	
8355-53-5943 A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	03/25/2019	2019	2	25	=DATE([@Year],[@Month],[@Day])	14:36	Ewallet	413.04	4.7	
9315-22-5665 C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	02/24/2019	2019	2	24	=DATE([@Year],[@Month],[@Day])	11:38	Ewallet	735.6	4.7	
10655-32-9167 A	Yangon	Member	Female	Health and beauty	36.26	2	3.626	76.146	01-10-2019	2019	01-10-19	01-10-19	#NUM!	17:15	Credit card	72.52	4.7	
11692-92-5582 B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	02/20/2019	2019	2	20	=DATE([@Year],[@Month],[@Day])	13:27	Credit card	164.52	4.7	
12351-62-0822 B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896	60.816	02-06-2019	2019	02-06-19	02-06-19	#NUM!	18:07	Ewallet	57.92	4.7	
13529-56-3974 B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102	107.142	03-09-2019	2019	03-09-19	03-09-19	#NUM!	17:03	Cash	102.04	4.7	
14365-64-0515 A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875	02-12-2019	2019	02-12-19	02-12-19	#NUM!	10:25	Ewallet	234.75	4.7	
15252-56-2699 A	Yangon	Normal	Male	Food and beverages	43.19	10	21.595	453.495	02-07-2019	2019	02-07-19	02-07-19	#NUM!	16:48	Ewallet	431.9	4.7	
16829-34-3910 A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69	749.49	03/29/2019	2019	3	29	=DATE([@Year],[@Month],[@Day])	19:21	Cash	713.8	4.7	
17299-46-1805 B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116	590.436	01-15/2019	2019	1	15	=DATE([@Year],[@Month],[@Day])	16:19	Cash	562.32	4.7	
18656-95-9349 A	Yangon	Member	Female	Health and beauty	68.93	7	24.1255	506.6355	03-11-2019	2019	03-11-19	03-11-19	#NUM!	11:03	Credit card	482.51	4.7	
19765-26-6951 A	Yangon	Normal	Male	Sports and travel	72.61	6	21.783	457.443	01-01-2019	2019	01-01-19	01-01-19	#NUM!	10:39	Credit card	435.66	4.7	
20329-62-1586 A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	01/21/2019	2019	1	21	=DATE([@Year],[@Month],[@Day])	18:00	Credit card	164.01	4.7	
21319-50-3348 B	Mandalay	Normal	Female	Home and lifestyle	40.3	2	4.03	84.63	03-11-2019	2019	03-11-19	03-11-19	#NUM!	15:30	Ewallet	80.6	4.7	
22300-71-4605 C	Naypyitaw	Member	Male	Electronic accessories	86.04	5	21.51	451.71	02/25/2019	2019	2	25	=DATE([@Year],[@Month],[@Day])	11:24	Ewallet	430.2	4.7	
23371-85-5789 B	Mandalay	Normal	Male	Health and beauty	87.98	3	13.197	277.137	03-05-2019	2019	03-05-19	03-05-19	#NUM!	10:40	Ewallet	263.94	4.7	
24273-16-6619 B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	03/15/2019	2019	3	15	=DATE([@Year],[@Month],[@Day])	12:20	Credit card	66.4	4.7	
25636-48-8204 A	Yangon	Normal	Male	Electronic accessories	34.56	5	8.64	181.44	02/17/2019	2019	2	17	=DATE([@Year],[@Month],[@Day])	11:15	Ewallet	172.8	4.7	
26549-59-1358 A	Yangon	Member	Male	Sports and travel	88.63	3	13.2945	279.1845	03-02-2019	2019	03-02-19	03-02-19	#NUM!	17:36	Ewallet	265.89	4.7	
27227-03-5010 A	Yangon	Normal	Female	Home and lifestyle	52.59	8	21.036	441.756	03/22/2019	2019	3	22	=DATE([@Year],[@Month],[@Day])	19:20	Credit card	420.72	4.7	

supermarket\_sales - Sheet1 - Excel

File Home Insert Page Layout Formulas Data Review View Developer Help Power Pivot Terabox Table Design Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing Add-ins Save to TeraBox Save

IF : =IF(ISNUMBER(K2),K2,DATE([@Year],[@Month],[@Day]))

Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax %	Total	Date	Year	Month	Day	Valid date	Time	Payment	cogs	gross margin per		
750-67-8428 A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415	548.9715	01-05-2019	01-05-19	01-05-19	01-05-19	=IF(ISNUMBER(K2),K2,DATE([@Year],[@Month],[@Day]))							
2 226-31-3081 C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82	80.22	03-08-2019	03-08-19	03-08-19	03-08-19								
4 631-41-3108 A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255	03-03-2019	03-03-19	03-03-19	03-03-19								
5 123-19-1176 A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	2019	1	27		27-01-19	20:33	Ewallet	465.76	4.7		
6 373-73-7910 A	Yangon	Normal	Male	Sports and travel	86.31	7	30.2085	634.3785	02-08-2019	02-08-19	02-08-19	02-08-19		02-08-19	10:37	Ewallet	604.17	4.7		
7 699-14-3026 C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	2019	3	25		25-03-19	18:30	Ewallet	597.73	4.7		
8 355-53-5943 A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	2019	2	25		25-02-19	14:36	Ewallet	413.04	4.7		
9 315-22-5665 C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	2/24/2019	2019	2	24		24-02-19	11:38	Ewallet	735.6	4.7		
10 665-32-9167 A	Yangon	Member	Female	Health and beauty	36.26	2	3.626	76.146	01-10-2019	01-10-19	01-10-19	01-10-19		01-10-19	17:15	Credit card	72.52	4.7		
11 692-92-5582 B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	437.746	2/20/2019	2019	2	20		20-02-19	13:27	Credit card	164.52	4.7		
12 351-62-0822 B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896	60.816	02-06-2019	02-06-19	02-06-19	02-06-19		02-06-19	18:07	Ewallet	57.92	4.7		
13 529-56-3974 B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102	107.142	03-09-2019	2019	3	09-19	03-09-19	03-09-19	03-09-19	17:03	Cash	102.04	4.7	
14 365-64-0515 A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875	02-12-2019	2019	12	12-19	02-12-19	02-12-19	02-12-19	10:25	Ewallet	234.75	4.7	
15 252-56-2699 A	Yangon	Normal	Male	Food and beverages	43.19	10	21.595	453.495	02-07-2019	2019	2	07-19	02-07-19	02-07-19	02-07-19	16:48	Ewallet	431.9	4.7	
16 829-34-3910 A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69	749.49	3/29/2019	2019	3	29		29-03-19	19:21	Cash	713.8	4.7		
17 299-46-1805 B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116	590.436	1/15/2019	2019	1	15		15-01-19	16:19	Cash	562.32	4.7		
18 656-95-9349 A	Yangon	Member	Female	Health and beauty	68.93	7	24.1255	506.6355	03-11-2019	03-11-19	03-11-19	03-11-19		03-11-19	11:03	Credit card	482.51	4.7		
19 765-26-6951 A	Yangon	Normal	Male	Sports and travel	72.61	6	21.783	457.443	01-01-2019	01-01-19	01-01-19	01-01-19		01-01-19	10:39	Credit card	435.66	4.7		
20 329-62-1586 A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	1/21/2019	2019	1	21		21-01-19	18:00	Credit card	164.01	4.7		
21 319-50-3348 B	Mandalay	Normal	Female	Home and lifestyle	40.3	2	4.03	84.63	03-11-2019	03-11-19	03-11-19	03-11-19		03-11-19	15:30	Ewallet	80.6	4.7		
22 300-71-4605 C	Naypyitaw	Member	Male	Electronic accessories	86.04	5	21.51	451.71	2/25/2019	2019	2	25		25-02-19	11:24	Ewallet	430.2	4.7		
23 371-85-5789 B	Mandalay	Normal	Male	Health and beauty	87.98	3	13.197	277.137	03-05-2019	2019	3	05-19	03-05-19	03-05-19		03-05-19	10:40	Ewallet	263.94	4.7
24 273-16-6619 B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	3/15/2019	2019	3	15		15-03-19	12:20	Credit card	66.4	4.7		
25 636-48-8204 A	Yangon	Normal	Male	Electronic accessories	34.56	5	8.64	181.44	2/17-2019	2019	2	17		17-02-19	11:15	Ewallet	172.8	4.7		
26 549-59-1358 A	Yangon	Member	Male	Sports and travel	88.63	3	13.2945	279.1845	03-02-2019	2019	3	02-19	03-02-19	03-02-19		03-02-19	17:36	Ewallet	265.89	4.7
27 227-03-5010 A	Yangon	Member	Female	Home and lifestyle	52.59	8	21.036	441.756	2/23/2019	2019	3	22		22-03-19	19:20	Credit card	420.72	4.7		

supermarket\_sales - Sheet1 Data cleaning\_trail

Edit Accessibility: Unavailable

supermarket\_sales - Sheet1 - Excel

File Home Insert Page Layout Formulas Data Review View Developer Help Power Pivot Terabox Table Design Tell me what you want to do

Font Alignment Number Styles Cells Editing Add-ins Save to TeraBox Save

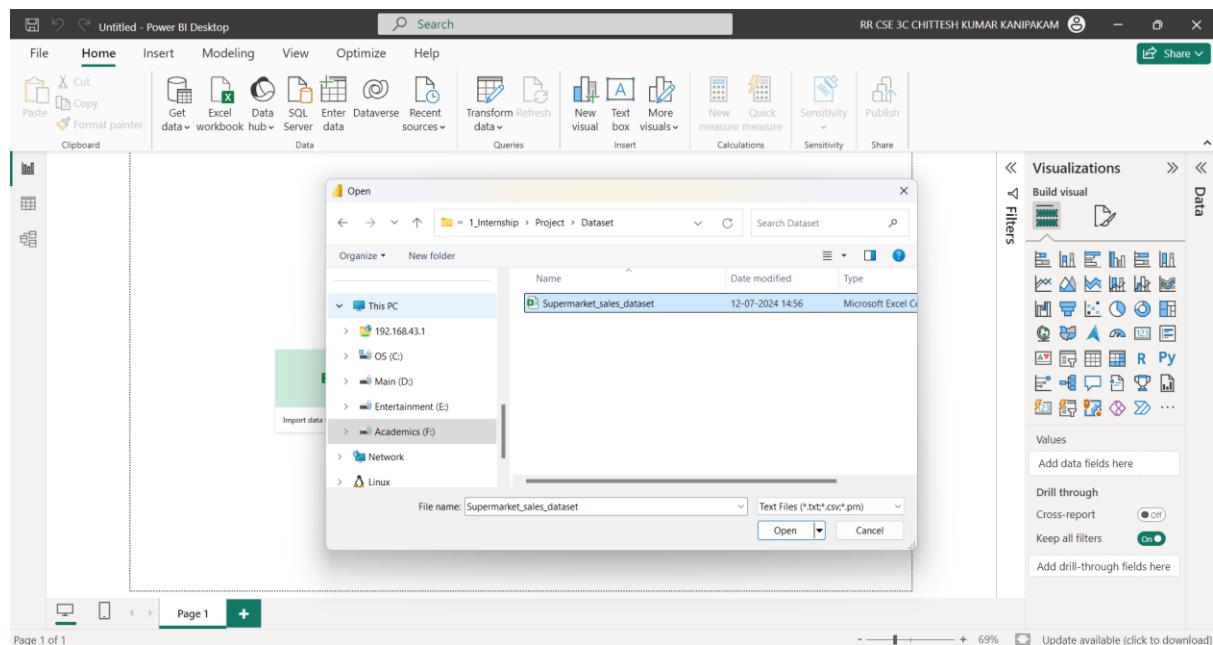
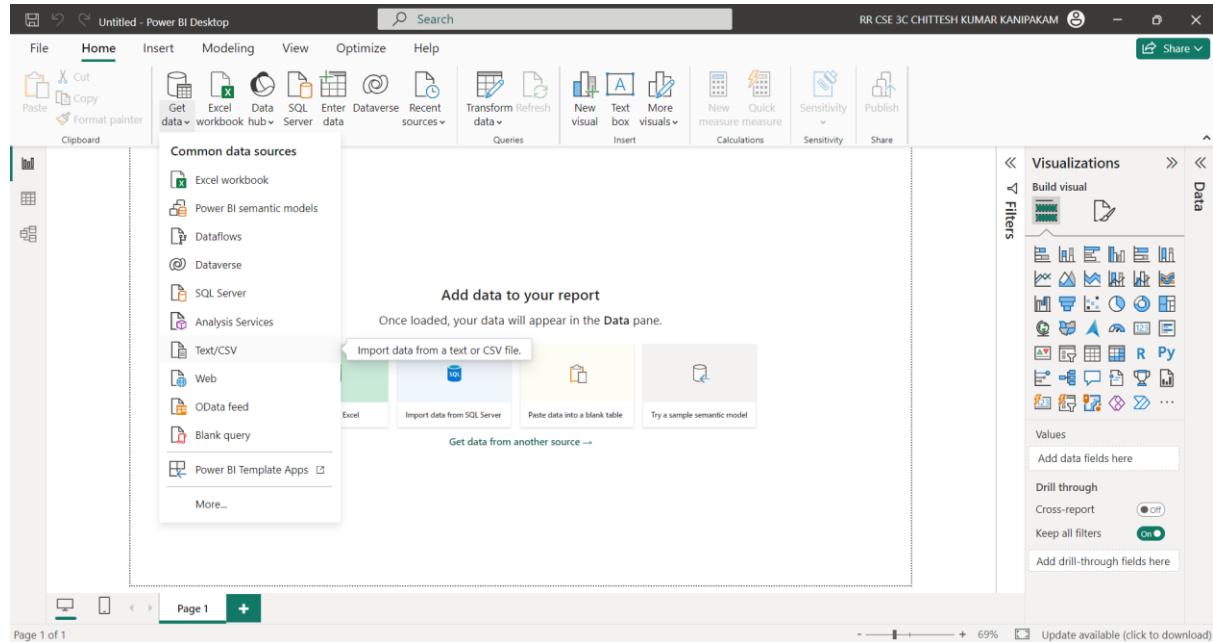
01-05-2019

Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax %	Total	Date	Year	Month	Day	Valid date	Time	Payment	cogs	gross margin per
750-67-8428 A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415	548.9715	01-05-2019	01-05-19	01-05-19	01-05-19	01-05-19	01-05-19	13:08	Ewallet	522.83	4.7
2 226-31-3081 C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82	80.22	03-08-2019	03-08-19	03-08-19	03-08-19	03-08-19	03-08-19	10:29	Cash	76.4	4.7
4 631-41-3108 A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255	03-03-2019	03-03-19	03-03-19	03-03-19	03-03-19	03-03-19	13:23	Credit card	324.31	4.7
5 123-19-1176 A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	2019	1	27		27-01-19	20:33	Ewallet	465.76	4.7
6 373-73-7910 A	Yangon	Normal	Male	Sports and travel	86.31	7	30.2085	634.3785	02-08-2019	02-08-19	02-08-19	02-08-19		02-08-19	10:37	Ewallet	604.17	4.7
7 699-14-3026 C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	25-03-2019	2019	25	03-19		25-03-19	18:30	Ewallet	597.73	4.7
8 355-53-5943 A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25-2019	2019	25	02-19		25-02-19	14:36	Ewallet	413.04	4.7
9 315-22-5665 C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	24-02-2019	2019	24	02-19		24-02-19	11:38	Ewallet	735.6	4.7
10 665-32-9167 A	Yangon	Member	Female	Health and beauty	36.26	3	3.626	76.146	01-10-2019	01-10-19	01-10-19	01-10-19		01-10-19	17:15	Credit card	72.52	4.7
11 692-92-5582 B	Mandalay	Member	Female	Food and beverages	54.84	3	8.216	172.746	20-02-2019	2019	20	02-19		20-02-19	13:27	Credit card	164.52	4.7
12 351-62-0822 B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896	60.816	02-06-2019	02-06-19	02-06-19	02-06-19		02-06-19	18:07	Ewallet	57.92	4.7
13 529-56-3974 B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102	107.142	03-09-2019	2019	3	09-19		03-09-19	17:03	Cash	102.04	4.7
14 365-64-0515 A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875	02-12-2019	2019	12	12-19		12-12-19	10:25	Ewallet	234.75	4.7
15 252-56-2699 A	Yangon	Normal	Male	Food and beverages	43.19	10	21.595	453.495	02-07-2019	2019	2	07-19		02-07-19	16:48	Ewallet	431.9	4.7
16 829-34-3910 A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69	749.49	29-03-2019	2019	29	03-19		29-03-19	19:21	Cash	713.8	4.7
17 299-46-1805 B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116	590.436	15-01-2019	2019	15	01-19		15-01-19	16:19	Cash	562.32	4.7
18 656-95-9349 A	Yangon	Member	Female	Health and beauty	68.93	7	24.1255	506.6355	03-11-2019	2019	3	11-19		03-11-19	11:03	Credit card	482.51	4.7
19 765-26-6951 A	Yangon	Normal	Male	Sports and travel	72.61	6	21.783	457.443	01-01-2019	2019	1	01-19		01-01-19	10:39	Credit card	435.66	4.7
20 329-62-1586 A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	21-01-2019	2019	21	01-19		21-01-19	18:00	Credit card	164.01	4.7
21 319-50-3348 B	Mandalay	Normal	Female	Home and lifestyle	40.3	2	4.03	84.63	03-11-2019	2019	3	11-19		03-11-19	15:30	Ewallet	80.6	4.7
22 300-71-4605 C	Naypyitaw	Member	Male	Electronic accessories	86.04	5	21.51	451.71	25-02-2019	2019	25	02-19		25-02-19	11:24	Ewallet	430.2	4.7
23 371-85-5789 B	Mandalay	Normal	Male	Health and beauty	87.98	3	13.197	277.137	03-05-2019	2019	3	05-19		03-05-19	10:40	Ewallet	263.94	4.7
24 273-16-6619 B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	15-03-2019	2019	15	03-19		15-03-19	12:20	Credit card	66.4	4.7
25 636-48-8204 A	Yangon	Normal	Male	Electronic accessories	34.56	5	8.64	181.44	17-02-2019	2019	17	02-19		17-02-19	11:15	Ewallet	172.8	4.7
26 549-59-1358 A	Yangon	Member	Male	Sports and travel	88.63	3	13.2945	279.1845	03-02-2019	2019	3	02-19		03-02-19	17:36	Ewallet	265.89	4.7
27 227-03-5010 A	Yangon	Member	Female	Home and lifestyle	52.59	8	21.036	441.756	22-03-2019	2019	22	03-19		22-03-19	19:20	Credit card	420.72	4.7

Average: 07-04-2019 Count: 1000

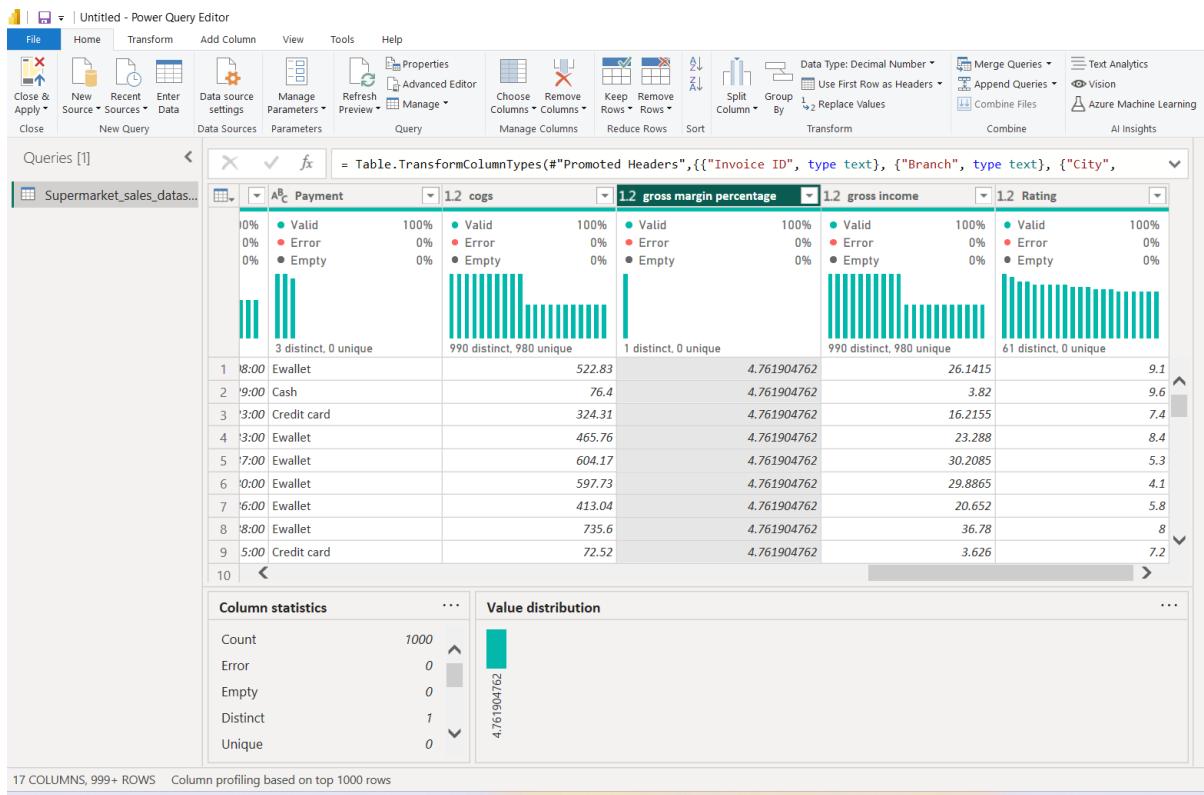
Select destination and press ENTER or choose Paste

- Now, we will fetch the dataset into PowerBI desktop from local computer.



- Data Cleaning:

1. Unnecessary column “gross margin percentage” only single value -> Delete column.



2. Check and Change Data type for each column:

**Example:** ‘Unit Price’ column -> datatype changed from Text to decimal number.

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Transpose Reverse Rows Data Type: Decimal Number Replace Values Unpivot Columns

Group Use First Row as Headers Count Rows Detect Data Type Fill Move

Table Any Column Rename Pivot Column Convert to List Split Column Format Merge Columns ABC Extract 123 Extract abc Parse

Text Column Statistics Standard Scientific Trigonometry

Number Column Information

**Queries [1]**

= Table.TransformColumnTypes(#"Removed Columns",{{"Unit price", type number}})

Supermarket\_sales\_data...

	Gender	Product line	Unit price	Quantity
1	Female	Health and beauty	74.69	7
2	Female	Electronic accessories	15.28	5
3	Male	Home and lifestyle	46.33	7
4	Male	Health and beauty	58.22	8
5	Male	Sports and travel	86.31	7
6	Male	Electronic accessories	85.39	7
7	Female	Electronic accessories	68.84	6
8	Female	Home and lifestyle	73.56	10
9	Female	Health and beauty	36.26	2
10	Female	Food and beverages	54.84	3
11	Female	Fashion accessories	14.48	4
12	Male	Electronic accessories	25.51	4
13	Female	Electronic accessories	46.95	5
14	Male	Food and beverages	43.19	10
15	Female	Health and beauty	71.38	10
16	Female	Sports and travel	93.72	6
17	Female	Health and beauty	68.93	7
18				

16 COLUMNS 999+ ROWS Column profiling based on top 1000 rows

Untitled - Power Query Editor

File Close & Apply Close the Query Editor window and apply any pending changes.

Close Save Save As Options and settings Help

Date Time Payment

oveColumns(#"Changed Type", {"gross margin percentage"})

Date	Time	Payment
01-05-2019	13:08:00	Ewallet
03-08-2019	10:29:00	Cash
03-03-2019	13:23:00	Credit card
27-01-2019	20:33:00	Ewallet
02-08-2019	10:37:00	Ewallet
25-03-2019	18:30:00	Ewallet
25-02-2019	14:36:00	Ewallet
24-02-2019	11:38:00	Ewallet
01-10-2019	17:15:00	Credit card
20-02-2019	13:27:00	Credit card
02-06-2019	18:07:00	Ewallet
03-09-2019	17:03:00	Cash
02-12-2019	10:25:00	Ewallet
02-07-2019	16:48:00	Ewallet
29-03-2019	19:21:00	Cash
15-01-2019	16:19:00	Cash
03-11-2019	11:03:00	Credit card
5	634.3785	
6	627.6165	
7	433.692	
8	772.38	
9	76.146	
10	172.746	
11	60.816	
12	107.142	
13	246.4875	
14	453.495	
15	749.49	
16	590.436	
17	506.6355	

Screenshot of the Power BI Home page showing the 'Create a workspace' dialog.

The 'Create a workspace' dialog is open on the right side of the screen. It contains the following fields:

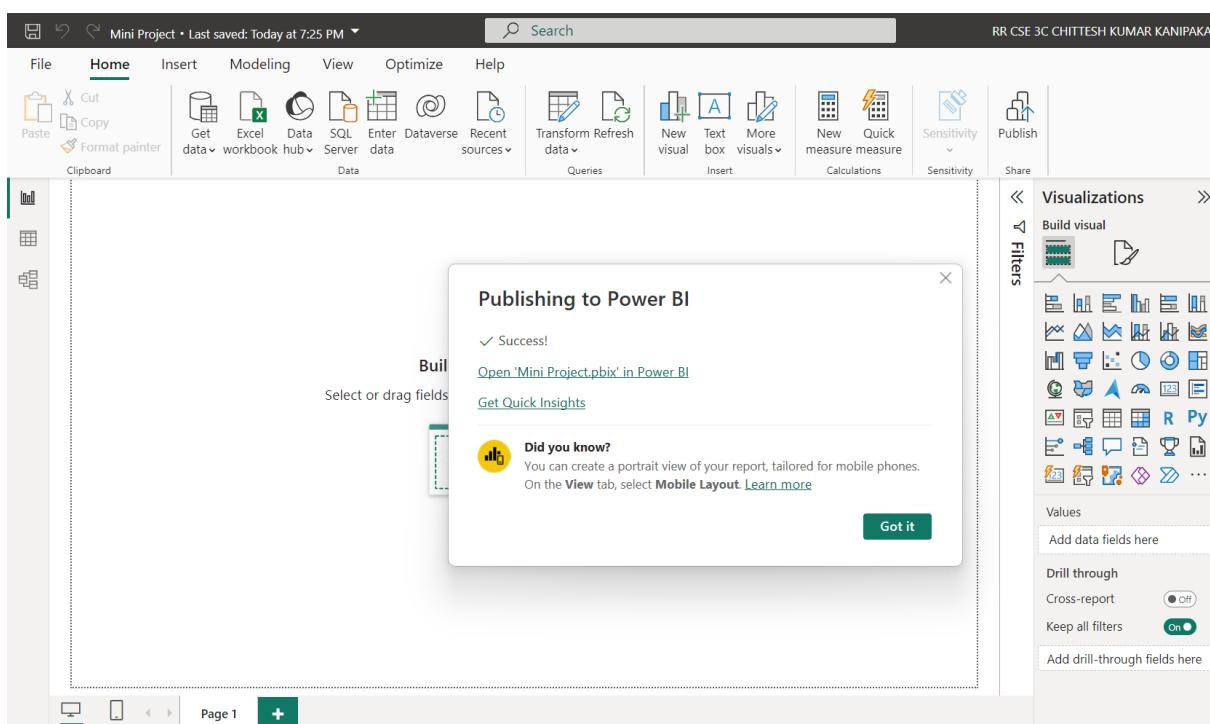
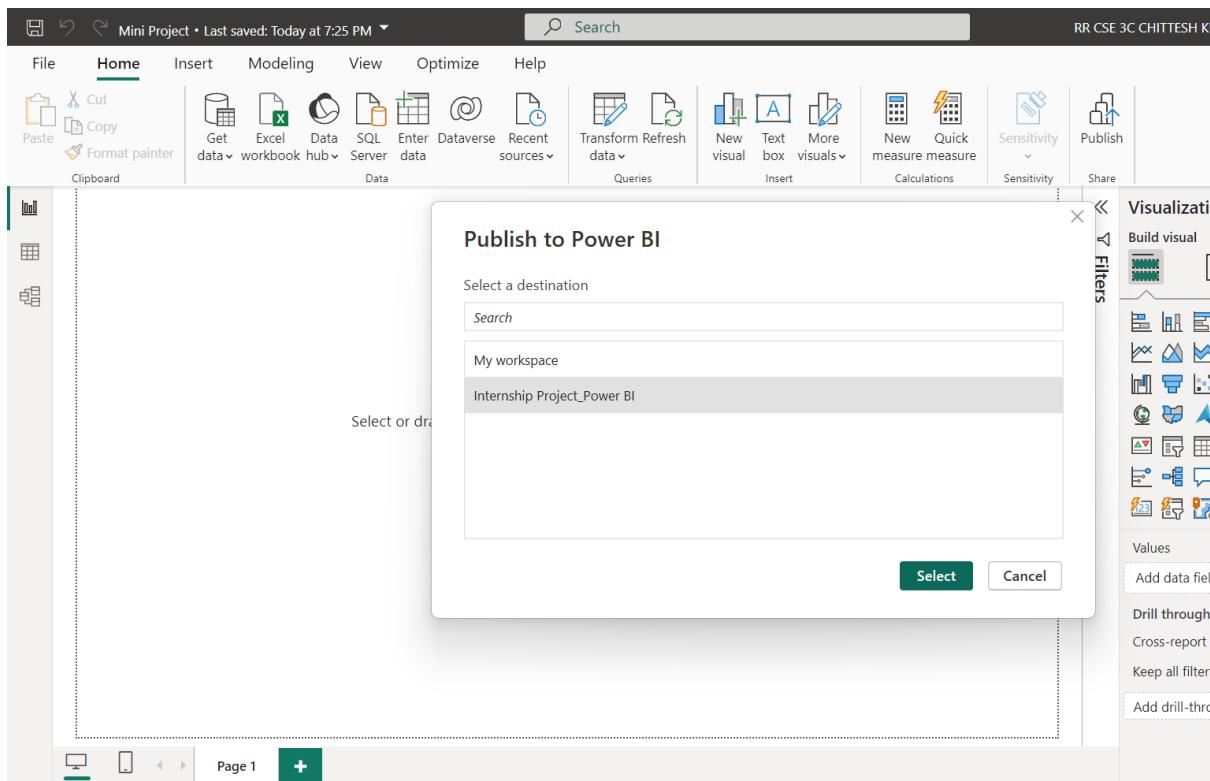
- Name**: Internship Project\_Power BI (highlighted with a red box)
- Description**: PowerBI project - Dataset: Superstore sales (Plasmid Innovation) (highlighted with a green box)
- Domain**: Assign to a domain (optional)
- Workspace image**: A placeholder image with options to Upload or Reset.
- Advanced** (dropdown menu): Advanced settings.

At the bottom right of the dialog are the **Apply** and **Cancel** buttons.

Screenshot of the Power BI workspace for 'Internship Project\_Power BI'.

The workspace interface includes:

- Workspaces** sidebar: Shows 'My workspace' and 'Internship Project\_Power BI' (highlighted with a red box).
- Top navigation bar**: Includes 'Create app', 'Manage access', and 'Workspace settings'.
- Main area**: A large circular placeholder image with a plus sign, labeled 'Select a task flow or build your own to get started (preview)'.
- Bottom navigation bar**: Includes 'Deployment pipelines' and a 'New workspace' button.



## Table Matrix:

Mini Project • Last saved: Today at 7:26 PM

File Home Insert Modeling View Optimize Help Format Data / Drill

Cut Copy Format painter Get data Excel Data SQL Server Enter Dataverse Recent sources Transform Refresh data New visual Text box More visuals New Quick measure measure Calculations Sensitivity Share Publish

Clipboard

**Invoice ID** **Customer type** **City** **Month** **Payment** **Sum of Unit price** **Average of Rating**

Invoice ID	Customer type	City	Month	Payment	Sum of Unit price	Average of Rating
109-28-2512	Member	Mandalay	July	Ewallet	97.61	9.90
109-86-4363	Member	Mandalay	February	Credit card	60.08	4.50
110-48-7033	Member	Mandalay	January	Cash	32.62	9.00
114-35-5271	Normal	Mandalay	July	Cash	57.91	8.10
115-59-4379	Member	Mandalay	March	Credit card	54.73	8.50
120-54-2248	Normal	Mandalay	January	Credit card	28.86	8.00
132-32-9879	Member	Mandalay	September	Cash	93.96	9.50
133-77-3154	Member	Mandalay	February	Credit card	60.18	9.40
134-54-4720	Normal	Mandalay	January	Ewallet	42.42	5.70
135-13-8269	Member	Mandalay	January	Cash	78.88	9.10
139-20-0155	Member	Mandalay	January	Credit card	40.30	7.00
142-63-6033	Normal	Mandalay	March	Ewallet	92.36	4.90
145-54-9061	Normal	Mandalay	January	Cash	88.36	9.60
149-15-7606	Member	Mandalay	June	Ewallet	37.32	5.10
149-71-6266	Member	Mandalay	January	Cash	78.07	4.50
151-33-7434	Normal	Mandalay	April	Credit card	67.77	6.50
152-03-4217	Normal	Mandalay	March	Credit card	11.28	4.30
152-08-9985	Member	Mandalay	December	Credit card	64.36	8.60
154-74-7179	Normal	Mandalay	February	Ewallet	54.45	7.90
156-20-0370	Normal	Mandalay	October	Credit card	25.45	5.10
172-42-8274	Normal	Mandalay	February	Credit card	38.27	5.80
173-50-9108	Member	Mandalay	February	Credit card	20.18	5.00
<b>Total</b>					<b>55,672.13</b>	<b>6.97</b>

Report\_Table Matrix

Page 1 of 1

File Home Insert Modeling View Optimize Help

Cut Copy Format painter Get data Excel Data SQL Server Enter Dataverse Recent sources Transform Refresh data New visual Text box More visuals New Quick measure measure Calculations Sensitivity Share Publish

**Branch** **Electronic accessories** **Fashion accessories** **Food and beverages** **Health and beauty** **Home and lifestyle** **Sports and travel** **Total**

Branch	Electronic accessories	Fashion accessories	Food and beverages	Health and beauty	Home and lifestyle	Sports and travel	Total
A	322	263	313	257	371	333	<b>1859</b>
B	316	297	270	320	295	322	<b>1820</b>
C	333	342	369	277	245	265	<b>1831</b>
<b>Total</b>	<b>971</b>	<b>902</b>	<b>952</b>	<b>854</b>	<b>911</b>	<b>920</b>	<b>5510</b>

Inventory Distribution by Branch and Product Category

Report\_Table Matrix Report\_Table Matrix\_1 Report\_Table Matrix\_2 Report\_Table Matrix\_3

Visualizations Data

Filters

Build visual

Search

supermarket\_sales - Sh...

Date

Branch

City

Σ cogs

Customer type

Gender

Σ gross income

Invoice ID

Payment

Product line

Quantity

Σ Rating

Σ Tax 5%

Time

Σ Total

Σ Unit price

Values

Add data fields here

Drill through

Cross-report

Keep all filters

Add drill-through fields here

Mini Project • Last saved: Today at 11:44 AM ▾

File Home Insert Modeling View Optimize Help

Cut Copy Format painter Paste Excel Data hub Data Server Enter Data Dataverse Recent sources Transform Refresh data New visual Text box More visuals Insert New measure measure Quick Calculations Sensitivity Publish Share

**Quarterly and Monthly Analysis of Quantity and Total Sales**

Quarter	Sum of Quantity	Sum of Total
<b>Qtr 4</b>	<b>513</b>	<b>31,344.87</b>
December	183	11,861.30
November	154	9,618.37
October	176	9,865.20
<b>Qtr 3</b>	<b>669</b>	<b>38,771.78</b>
September	226	13,767.29
August	225	13,503.78
July	218	11,500.71
<b>Qtr 2</b>	<b>557</b>	<b>30,368.54</b>
June	188	9,612.23
May	212	12,798.69
April	157	7,957.62
<b>Qtr 1</b>	<b>3771</b>	<b>2,22,481.56</b>
March	1254	72,749.25
February	1072	63,169.74
January	1445	86,562.57
<b>Total</b>	<b>5510</b>	<b>3,22,966.75</b>

Report\_Table Matrix Report\_Table Matrix\_1 Report\_Table Matrix\_2 Report\_Table Matrix\_3

Page 3 of 4

Mini Project • Last saved: Today at 11:44 AM ▾

File Home Insert Modeling View Optimize Help

Cut Copy Format painter Paste Excel Data hub Data Server Enter Data Dataverse Recent sources Transform Refresh data New visual Text box More visuals Insert New measure measure Quick Calculations Sensitivity Publish Share

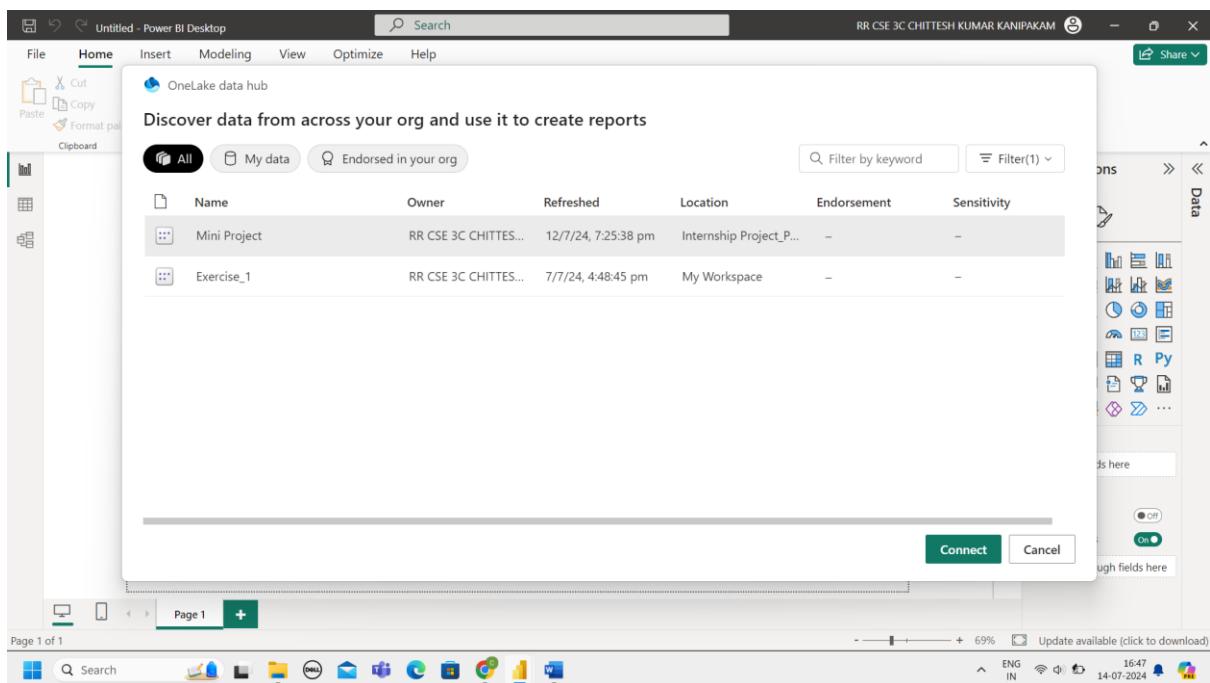
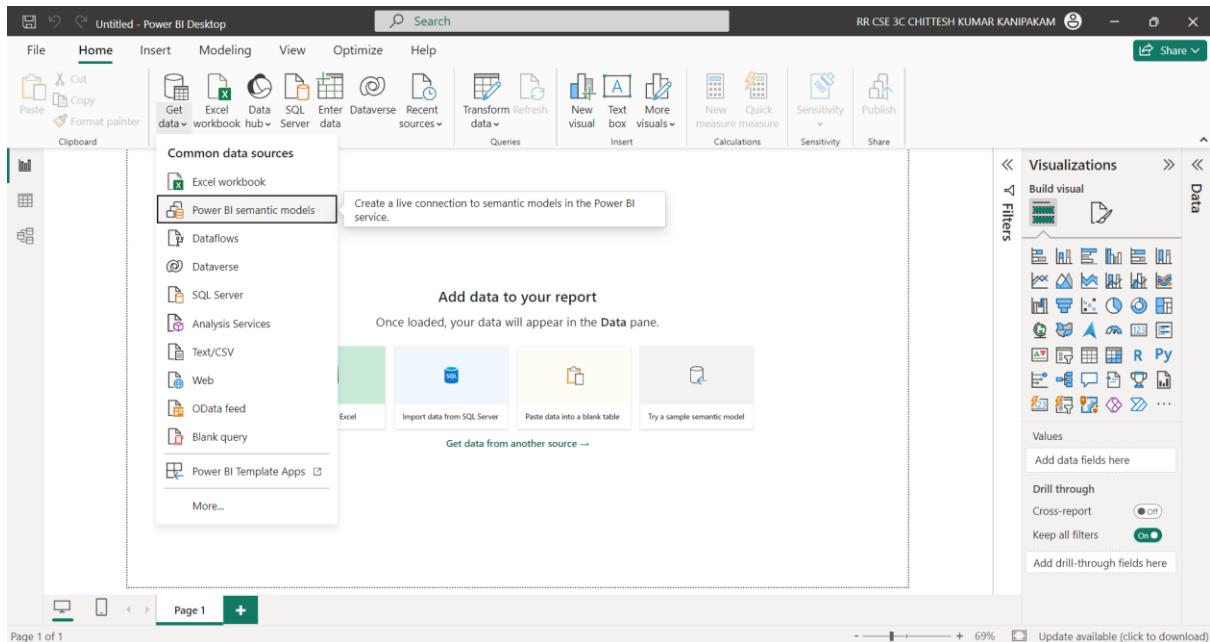
**Quarterly Gross Sales Analysis of Product Line By Branch**

Branch	Electronic accessories	Fashion accessories	Food and beverages	Health and beauty	Home and lifestyle	Sports and travel	Total
<b>A</b>	<b>872.24</b>	<b>777.74</b>	<b>817.29</b>	<b>599.89</b>	<b>1,067.49</b>	<b>922.51</b>	<b>5,057.16</b>
Qtr 1	671.64	517.14	679.92	357.34	697.01	628.86	3,551.90
Qtr 2	94.90	56.38	29.56	112.52	124.03	75.59	492.98
Qtr 3	43.83	114.47	63.90	79.15	113.02	113.81	528.19
Qtr 4	61.88	89.75	43.91	50.89	133.43	104.25	484.10
<b>B</b>	<b>811.97</b>	<b>781.59</b>	<b>724.52</b>	<b>951.46</b>	<b>835.67</b>	<b>951.82</b>	<b>5,057.03</b>
Qtr 1	587.50	475.14	496.01	745.03	489.72	672.55	3,465.95
Qtr 2	45.97	38.02	71.61	130.60	155.05	77.13	518.39
Qtr 3	112.77	160.91	103.32	100.08	124.84	601.92	601.92
Qtr 4	65.73	107.52	53.58	75.83	90.82	77.29	470.78
<b>C</b>	<b>903.28</b>	<b>1,026.67</b>	<b>1,131.76</b>	<b>791.21</b>	<b>661.69</b>	<b>750.57</b>	<b>5,265.18</b>
Qtr 1	687.77	675.78	656.43	483.53	501.52	571.49	3,576.51
Qtr 2	31.50	74.94	160.06	121.62	17.56	29.07	434.76
Qtr 3	117.07	209.73	139.38	123.05	46.84	80.10	716.17
Qtr 4	66.95	66.22	175.89	63.01	95.77	69.90	537.74
<b>Total</b>	<b>2,587.50</b>	<b>2,586.00</b>	<b>2,673.56</b>	<b>2,342.56</b>	<b>2,564.85</b>	<b>2,624.90</b>	<b>15,379.37</b>

Report\_Table Matrix Report\_Table Matrix\_1 Report\_Table Matrix\_2 Report\_Table Matrix\_3

Page 4 of 4

## Data Set Options:



Screenshot of the Power BI workspace interface.

The left sidebar shows the workspace navigation:

- Home
- Create
- Browse
- OneLake data hub
- Workspaces
- Internship Project\_Po...
- Untitled report
- ...
- Power BI

The main area displays the "Internship Project\_Power BI" workspace. A context menu is open over the "Untitled report" item, listing options such as:

- Explore this data (preview)
- Analyze in Excel
- Create report
- Auto-create report
- Create paginated report
- Delete
- Get quick insights
- Security
- Rename
- Open data model
- Settings
- Download this file
- Manage permissions
- View lineage
- Move to

The top right corner shows workspace settings and a trial status of 58 days left.

Screenshot of the Power BI report view.

The left sidebar shows the report navigation:

- Pages
- Report 1
- Report 2
- Report 3
- Report 4
- Report 5
- Report 6
- ...
- Power BI

The main area displays the "Report 1" page, which contains a pie chart titled "Total Sales by Branch". The chart shows the following data:

Branch	Sales Value	Percentage
C	110.57K	34.2%
A	106.2K	32.9%
B	106.2K	32.9%

The top right corner shows report settings and a trial status of 57 days left.

