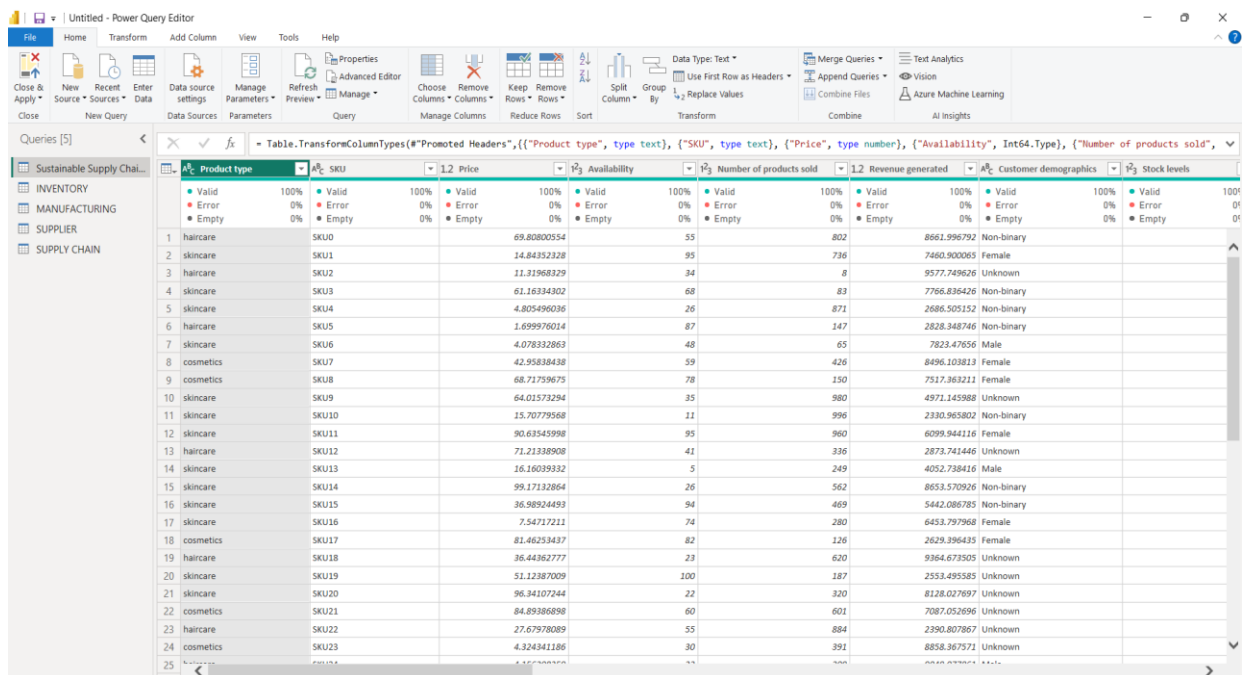


# WEEK-1 PROJECT ASSEMENT

**SHAUN RICHARD**

1. OPEN POWER BI DESKTOP
2. CLICK ON GET DATA
3. FROM GET DATA, GET THE CSV FILE
4. THEN LOAD THE DATA
5. NOW CLICK ON TRANSFORM DATA
6. ONE WINDOW WILL BE OPENED
7. NEW WINDOW WILL POWER QUERY EDITOR
8. NOW THE DATA CAN BE SEEN ON THE POWER QUERY EDITOR



	Product type	SKU	Price	Availability	Number of products sold	Revenue generated	Customer demographics	Stock levels
1	haircare	SKU0	69.80800554	55	802	8661.996792	Non-binary	
2	skincare	SKU1	14.84352328	95	736	7460.900065	Female	
3	haircare	SKU2	11.31968329	34	8	9577.749626	Unknown	
4	skincare	SKU3	61.16334302	68	83	7766.836426	Non-binary	
5	skincare	SKU4	4.805496036	26	871	2686.505152	Non-binary	
6	haircare	SKU5	1.699976014	87	147	2828.348746	Non-binary	
7	skincare	SKU6	4.078332863	48	65	7823.47656	Male	
8	cosmetics	SKU7	42.95838438	59	426	8496.103813	Female	
9	cosmetics	SKU8	68.71759675	78	150	7517.363211	Female	
10	skincare	SKU9	64.01573294	35	980	4971.145988	Unknown	
11	skincare	SKU10	15.70779568	11	996	2330.965802	Non-binary	
12	skincare	SKU11	90.63545998	95	960	6099.944116	Female	
13	haircare	SKU12	71.21338908	41	336	2873.741446	Unknown	
14	skincare	SKU13	16.16039332	5	249	4052.738416	Male	
15	skincare	SKU14	99.17132864	26	562	8653.570926	Non-binary	
16	skincare	SKU15	36.98924493	94	469	5442.086785	Non-binary	
17	skincare	SKU16	7.54717211	74	280	6453.797968	Female	
18	cosmetics	SKU17	81.46253437	82	126	2629.396435	Female	
19	haircare	SKU18	36.44362777	23	620	9364.673505	Unknown	
20	skincare	SKU19	51.12387009	100	187	2553.495585	Unknown	
21	skincare	SKU20	96.34107244	22	320	8128.027897	Unknown	
22	cosmetics	SKU21	84.89386898	60	601	7087.052696	Unknown	
23	haircare	SKU22	27.67978089	55	884	2390.807867	Unknown	
24	cosmetics	SKU23	4.324341186	30	391	8858.367571	Unknown	
25								

9. FROM THE ABOVE PICTURE WE CAN SEE THE DATA
10. NOW RIGHT CLICK ON THE SUSTANABLE SUPPLY CHAIN AND DUPLICATE IT
11. NOW NAME IT AS INVENTORY
12. THE INVENTORY TABLE CONTAINS:

- **Product type**
- **SKU**
- **Availability**
- **Number of products sold**
- **Customer demographics**
- **Stock levels**
- **Lead times**
- **Order quantities**
- **Lead time**
- **Revenue generated**

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply • New Source • Recent Sources • Enter Data • Data source settings • Manage Parameters • Refresh Preview • Advanced Editor • Choose Columns • Remove Columns • Keep Rows • Remove Rows • Split Column • Group By • Data Type: Text • Use First Row as Headers • Replace Values • Merge Queries • Append Queries • Combine Files • Text Analytics • Vision • Azure Machine Learning

Queries [5] X ✓ fx = Table.ReorderColumns(#"Removed Columns",{"Product type", "SKU", "Availability", "Number of products sold", "Customer demographics", "Stock levels", "Lead times", "Order quantities"

	Product type	SKU	Availability	Number of products sold	Customer demographics	Stock levels	Lead times	Order quantities
	Valid Error Empty	100% 0% 0%	Valid Error Empty	100% 0% 0%	Valid Error Empty	100% 0% 0%	Valid Error Empty	100% 0% 0%
5	skincare	SKU4		26	871 Non-binary		5	3
6	haircare	SKU5		87	147 Non-binary		90	27
7	skincare	SKU6		48	65 Male		11	15
8	cosmetics	SKU7		59	426 Female		93	17
9	cosmetics	SKU8		78	150 Female		5	10
10	skincare	SKU9		35	980 Unknown		14	27
11	skincare	SKU10		11	996 Non-binary		51	13
12	skincare	SKU11		95	960 Female		46	23
13	haircare	SKU12		41	336 Unknown		100	30
14	skincare	SKU13		5	249 Male		80	8
15	skincare	SKU14		26	562 Non-binary		54	29
16	skincare	SKU15		94	469 Non-binary		9	8
17	skincare	SKU16		74	280 Female		2	5
18	cosmetics	SKU17		82	126 Female		45	17
19	haircare	SKU18		23	620 Unknown		10	10
20	skincare	SKU19		100	187 Unknown		48	11
21	skincare	SKU20		22	320 Unknown		27	12
22	cosmetics	SKU21		60	601 Unknown		69	25
23	haircare	SKU22		55	884 Unknown		71	1
24	cosmetics	SKU23		30	391 Unknown		84	5
25	haircare	SKU24		32	209 Male		4	26
26	haircare	SKU25		73	142 Male		82	11
27	haircare	SKU26		9	353 Male		59	16
28	cosmetics	SKU27		42	352 Unknown		47	9

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Enter Data Data source settings Manage Parameters Refresh Preview Advanced Editor Choose Remove Columns Keep Remove Rows Rows Sort Split Column Group By Data Type: Text Use First Row as Headers Replace Values Merge Queries Append Queries Combine Files Text Analytics Vision Azure Machine Learning

Queries [5] = Table.ReorderColumns(#Removed Columns,{"Product type", "SKU", "Availability", "Number of products sold", "Customer demographics", "Stock levels", "Lead times", "Order quantities", "Lead time", "Revenue generated"})

	availability	Number of products sold	Customer demographics	Stock levels	Lead times	Order quantities	Lead time	Revenue generated
lid	100% Valid	100% Valid	100% Valid	100% Valid	100% Valid	100% Valid	100% Valid	100% Valid
ror	0% Error	0% Error	0% Error	0% Error	0% Error	0% Error	0% Error	0% Error
pty	0% Empty	0% Empty	0% Empty	0% Empty	0% Empty	0% Empty	0% Empty	0% Empty
5	26	871 Non-binary		5	3	56	5	2686.505152
6	87	147 Non-binary		90	27	66	10	2828.348746
7	48	65 Male		11	15	58	14	7823.47656
8	59	426 Female		93	17	11	22	8496.103813
9	78	150 Female		5	10	15	13	7517.363211
10	35	980 Unknown		14	27	83	29	4971.145988
11	11	996 Non-binary		51	13	80	18	2330.965802
12	95	960 Female		46	23	60	28	6099.944116
13	41	336 Unknown		100	30	85	3	2873.741446
14	5	249 Male		80	8	48	23	4052.738416
15	26	562 Non-binary		54	29	78	25	8653.570926
16	94	469 Non-binary		9	8	69	14	5442.086785
17	74	280 Female		2	5	78	3	6453.797968
18	82	126 Female		45	17	85	7	2629.396435
19	23	620 Unknown		10	10	46	18	9364.673505
20	100	187 Unknown		48	11	94	20	2553.495585
21	22	320 Unknown		27	12	68	29	8128.027697
22	60	601 Unknown		69	25	7	19	7087.052696
23	55	884 Unknown		71	1	63	22	2390.807867
24	30	391 Unknown		84	5	29	11	8858.367571
25	32	209 Male		4	26	2	28	9049.077861
26	73	142 Male		82	11	52	19	2174.777054
27	9	353 Male		59	16	48	26	3716.493326
28	42	352 Unknown		47	9	62	25	2686.457224

**14. NOW DUPLICATE THE FILE AGAIN AND RENAME IT AS MANUFACTURING.**

**15. THE MANUFACTURING TABLE CONTAINS:**

- **Product type**
- **SKU**
- **Production volumes**
- **Manufacturing lead time**
- **Manufacturing costs**
- **Inspection results**
- **defect rates**

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Enter Data Data source settings Manage Parameters Refresh Preview Advanced Editor Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Text Use First Row as Headers Replace Values Merge Queries Append Queries Combine Files Text Analytics Vision Azure Machine Learning

Queries [5]

Sustainable Supply Chain INVENTORY MANUFACTURING SUPPLIER SUPPLY CHAIN

Table.RemoveColumns(#"Changed Type",{"Price", "Availability", "Number of products sold", "Revenue generated", "Customer demographics", "Stock levels", "Lead times", "Order"})

	Product type	SKU	Production volumes	Manufacturing lead time	Manufacturing costs	Inspection results	Defect rates
1	haircare	SKU0	215	29	46.27987924	Pending	0.226410361
2	skincare	SKU1	517	30	33.61676895	Pending	4.854068026
3	haircare	SKU2	971	27	30.68801935	Pending	4.580592619
4	skincare	SKU3	937	18	35.6247414	Fail	4.746648621
5	skincare	SKU4	414	3	92.0651606	Fail	3.145579523
6	haircare	SKU5	104	17	56.76647556	Fail	2.779193512
7	skincare	SKU6	314	24	1.08506857	Pending	1.000910619
8	cosmetics	SKU7	564	1	99.4661086	Fail	0.398177187
9	cosmetics	SKU8	769	8	11.42302714	Pending	2.709862691
10	skincare	SKU9	963	23	47.95760163	Pending	3.844614479
11	skincare	SKU10	830	5	96.52735279	Pass	1.727311938
12	skincare	SKU11	362	11	27.59296309	Pending	0.021169621
13	haircare	SKU12	563	3	32.32128621	Fail	2.181253748
14	skincare	SKU13	173	10	97.82905011	Pending	1.63107423
15	skincare	SKU14	558	14	5.79143663	Pending	0.100682852
16	skincare	SKU15	580	7	97.12128175	Pass	2.264405761
17	skincare	SKU16	399	21	77.1063425	Pass	1.012563089
18	cosmetics	SKU17	453	16	47.67968037	Fail	0.102020755
19	haircare	SKU18	374	17	27.10798085	Pending	2.231939111
20	skincare	SKU19	694	16	82.37332059	Fail	3.646450865
21	skincare	SKU20	309	6	65.68625961	Pass	4.231416574
22	cosmetics	SKU21	791	4	61.73572895	Pending	0.018607568
23	haircare	SKU22	780	28	50.12083961	Fail	2.591275473
24	cosmetics	SKU23	568	29	98.60995724	Pending	1.342291563
25	haircare	SKU24	447	3	40.3823597	Pending	3.691310293

**16. NOW CREATE THE DUPLICATE FILE AND RENAME IT AS SUPPLIER.**

**17. THE SUPPLIER TABLE CONTAINS:**

- **Supplier name**
- **Location**
- **Lead time**
- **transportation modes**
- **Routes**

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Manage Parameters Refresh Preview Advanced Editor Properties Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Text Use First Row as Headers Replace Values Merge Queries Append Queries Combine Files Text Analytics Vision Azure Machine Learning

Queries [5]

Sustainable Supply Chain INVENTORY MANUFACTURING SUPPLIER SUPPLY CHAIN

Table.RemoveColumns(#"Changed Type",{"Product type", "SKU", "Price", "Availability", "Number of products sold", "Revenue generated", "Customer demographics", "Stock levels", "Lead times", "Order quantities", "Shipping times", "Shipping carriers", "Shipping costs", "Supplier name"})

	Supplier name	Location	Lead time	Transportation modes	Routes
1	Supplier 3	Mumbai	29	Road	Route B
2	Supplier 3	Mumbai	23	Road	Route B
3	Supplier 1	Mumbai	12	Air	Route C
4	Supplier 5	Kolkata	24	Rail	Route A
5	Supplier 1	Delhi	5	Air	Route A
6	Supplier 4	Bangalore	10	Road	Route A
7	Supplier 3	Kolkata	14	Sea	Route A
8	Supplier 4	Bangalore	22	Road	Route C
9	Supplier 4	Mumbai	13	Sea	Route B
10	Supplier 2	Chennai	29	Rail	Route B
11	Supplier 5	Kolkata	18	Road	Route B
12	Supplier 2	Kolkata	28	Air	Route A
13	Supplier 4	Kolkata	3	Road	Route B
14	Supplier 5	Bangalore	23	Road	Route B
15	Supplier 1	Kolkata	25	Air	Route B
16	Supplier 1	Bangalore	14	Sea	Route B
17	Supplier 1	Bangalore	3	Air	Route A
18	Supplier 1	Chennai	7	Air	Route C
19	Supplier 2	Kolkata	18	Sea	Route A
20	Supplier 4	Chennai	20	Road	Route C
21	Supplier 1	Chennai	29	Air	Route B
22	Supplier 5	Chennai	19	Air	Route C
23	Supplier 4	Kolkata	22	Rail	Route C
24	Supplier 5	Kolkata	11	Rail	Route A
25	Supplier 2	Bangalore	28	Air	Route A

**18. NOW REPEAT THE ABOVE PROCESS AND RENAME IT AS SUPPLY CHAIN**

**19. SUPPLY CHAIN CONTAINS:**

- **Product type**
- **SKU**
- **Price**
- **Availability**
- **Number of products sold**
- **Revenue generated**
- **Customer demographics**
- **Stock levels**
- **Lead times**
- **Order quantities**
- **Shipping times**
- **Shipping carriers**
- **Shipping costs**
- **Supplier name**

- **Location**
- **Lead time**
- **Transportation modes**
- **Routes**

**20. NOW CLICK ON CLOSE AND APPLY TWO TIMES**

**21. U WILL BE DIRECTED TO THE HOME SCREEN WITH CANVAS**

**22. NOW SAVE THE FILE**