

# CHARAN N

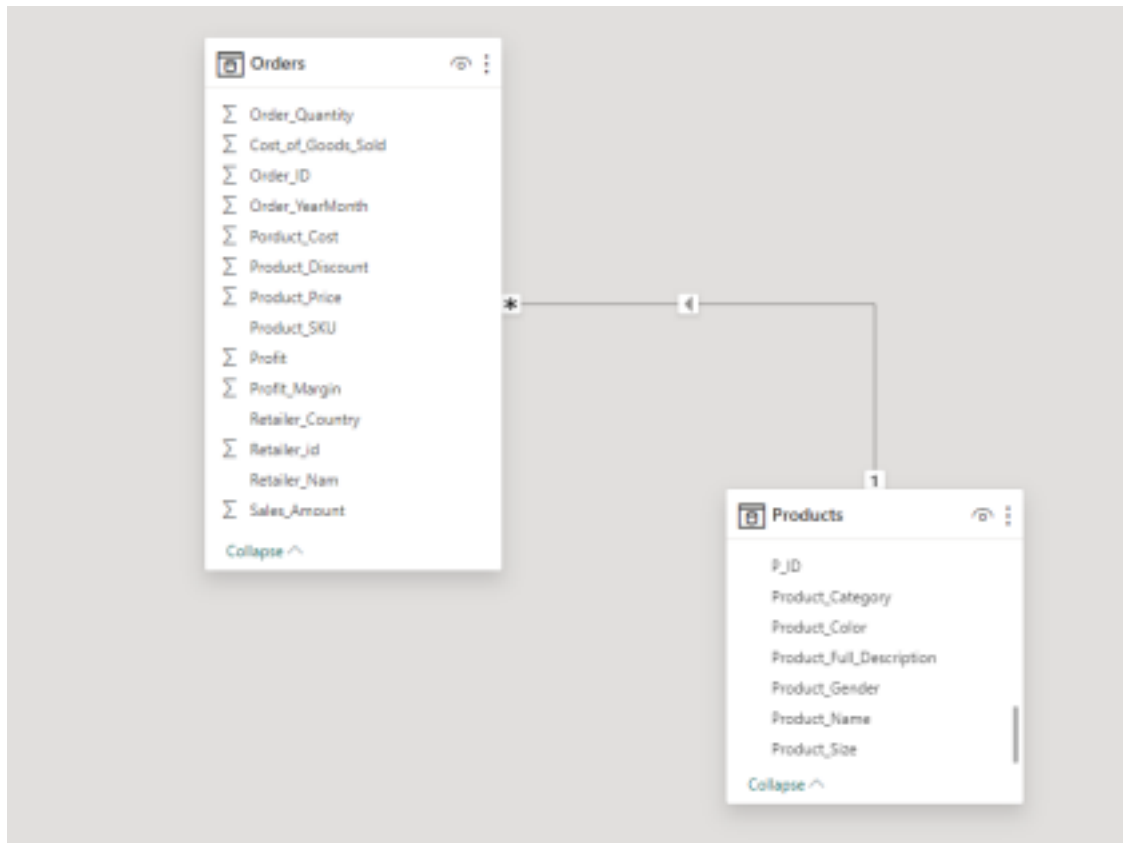
## Extracting, Transforming & Loading the given data to power BI:

Order ID	Order Year/Quarter	Order ID	Supplier Name	Supplier Country	Product SKU	Product Price	Product Cost	Order Quantity	Sales Amount	Cost of Goods Sold	Product Discount	Profit	Profit Margin
32	2018Q1	342	Novels: Alan Paul Inc	England	ISBN01-A1-Blue	45	15.19	23	1020	377.22	0	642.78	0.611553333
34	2018Q1	32	Antiques: Michael H Inc	England	ISBN01-B-Green	45	29.91	19	459	494.29	0	459.7	0.449999999
37	2018Q1	82	Services: Englebert Inc	England	ISBN01-C-White	45	20.01	7	140	17.83	0	122.17	0.244333333
111	2018Q1	132	Services: Constanterly	England	ISBN01-D-Red	45	18.89	29	1120	484.3	0	635.7	0.567111111
189	2018Q1	139	Novels: Nov C Ltd	England	ISBN12-E-Blue	45	13.3	11	495	148.3	0	346.7	0.7
199	2018Q1	139	History: Nov C Ltd	England	ISBN12-F-Green	45	22.3	29	1330	758.2	0	571.8	0.504999999
252	2018Q1	140	Capital: Topsy & Sons: Weston Inc	England	ISBN12-G-Blue	45	16.89	17	174	107.14	0	116.66	0.688
274	2018Q1	174	Interdependence: Associates Inc	England	ISBN01-A1-Blue	45	17.29	20	100	333.3	0	66.7	0.387
288	2018Q1	14	Services: Engineering Co	England	ISBN12-B-Green	45	22.1	29	1170	174.6	0	995.4	0.509999999
332	2018Q1	381	Services: Nov C Ltd	England	ISBN01-A1-Blue	45	10.91	27	190	479.37	0	190.62	0.715333333
381	2018Q1	37	Novels: Michael H Inc	England	ISBN01-A1-Blue	45	14.89	29	1330	494.32	0	1030.68	0.573777778
483	2018Q1	412	Novels: William F Inc	England	ISBN12-E-Red	45	20.89	40	1880	953.86	0	926.14	0.493999999
492	2018Q1	839	Novels: Thomas: Creations	England	ISBN12-F-Blue	45	34	29	1000	399.8	0	600.2	0.799999999
529	2018Q1	137	Chapman: Books	England	ISBN01-B-Green	45	18.89	49	200	881.89	0	1170.76	0.576333333
611	2018Q1	74	Novels: Michael H Inc	England	ISBN01-A1-Blue	45	49.09	49	2070	169.19	0	1900.8	0.894
690	2018Q1	432	Novels: Christopher T Inc	England	ISBN12-E-Red	45	23.87	11	495	285.27	0	236.4	0.474
711	2018Q1	807	Novels: Michael H Inc	England	ISBN01-F-Blue	45	16.29	19	880	213.26	0	125.7	0.447111111
733	2018Q1	430	Novels: Page 44: Moxon	England	ISBN01-A1-Blue	45	21.79	29	1480	311.79	0	1168.2	0.739999999
739	2018Q1	739	Novels: Nov C Ltd	England	ISBN01-B-Green	45	23.29	29	1000	752	0	278	0.26
743	2018Q1	936	Novels: Thomas: Creations	England	ISBN01-B-Green	45	19.89	1	45	13.89	0	31.5	0.759999999
773	2018Q1	419	Novels: Michael H Inc	England	ISBN01-B-Green	45	20.07	19	830	294.88	0	535.12	0.642999999
781	2018Q1	179	Novels: Nov C Ltd	England	ISBN01-B-Green	45	22.3	19	810	403	0	407	0.5
789	2018Q1	9	Novels: Nov C Ltd	England	ISBN01-B-Green	45	19.89	19	990	294.79	0	695.21	0.704444444
792	2018Q1	70	Novels: Nov C Ltd	England	ISBN01-B-Green	45	10.19	2	80	24.3	0	65.7	0.75
793	2018Q1	234	Novels: Nov C Ltd	England	ISBN01-B-Green	45	19.89	30	2000	794	0	1206	0.603999999
793	2018Q1	170	Novels: Nov C Ltd	England	ISBN01-B-Green	45	13.3	27	840	321.3	0	518.7	0.61
794	2018Q1	490	Novels: Nov C Ltd	England	ISBN01-B-Green	45	16.89	27	1210	403.84	0	716.16	0.593333333
797	2018Q1	816	Novels: Nov C Ltd	England	ISBN01-B-Green	45	29.49	27	1010	799.92	0	219.92	0.217444444
798	2018Q1	284	Novels: Nov C Ltd	England	ISBN01-B-Green	45	19.79	49	2000	371.89	0	1628.11	0.809999999
799	2018Q1	490	Novels: Nov C Ltd	England	ISBN01-B-Green	45	17.89	19	530	279.84	0	261.86	0.473333333
799	2018Q1	390	Novels: Nov C Ltd	England	ISBN01-B-Green	45	19.84	23	1120	491	0	629	0.562222222
799	2018Q1	230	Novels: Nov C Ltd	England	ISBN01-B-Green	45	20.89	9	405	183.79	0	221.21	0.546222222
799	2018Q1	170	Novels: Nov C Ltd	England	ISBN01-B-Green	45	19.87	29	1170	348.79	0	721.21	0.613333333
799	2018Q1	392	Novels: Nov C Ltd	England	ISBN01-B-Green	45	19.49	39	1710	740.82	0	969.18	0.566666667
799	2018Q1	139	Novels: Nov C Ltd	England	ISBN01-B-Green	45	21.89	49	1880	668.49	0	1211.51	0.646666667
799	2018Q1	179	Novels: Nov C Ltd	England	ISBN01-B-Green	45	19.89	19	870	394.49	0	475.51	0.543333333
799	2018Q1	341	Novels: Nov C Ltd	England	ISBN01-B-Green	45	19.89	29	1370	323.3	0	1046.7	0.435333333
799	2018Q1	381	Novels: Nov C Ltd	England	ISBN01-B-Green	45	20.89	2	130	61.89	0	736.11	0.549999999

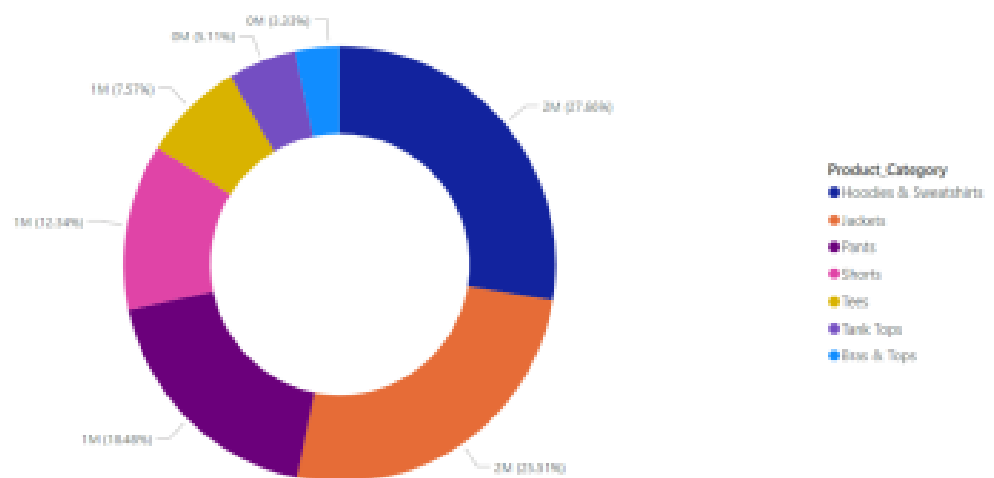
- Open power Bi and click on “get from excel”.
- Select the dataset and click on “transform”.
- After necessary transformation, click on “load”.
- After doing the above steps, repeat the same process for the next dataset. • After these process the “table view” with the table names will be displayed as in the image above.

## Data modelling:

- In these two datasets the columns “Product\_SKU” and “P\_ID” have a relationship. • To check the data modeling, on the left side click on the model view. • Sometimes the modeling may be detected automatically, or else we have to give a relationship manually by analyzing the datasets.
- The data modeling is given below,



### Sales amount from the categories of the product – Donut Chart:



- This visualization is used to find the amount of sales happened in different product category.
- This chart also helps to find the highest and lowest sales of a category.
- In these tables, Hoodies and Sweatshirts have the highest sales amount and Bras and Tops have the lowest sales amount.

### **Sales amount for product colour – Funnel Chart:**



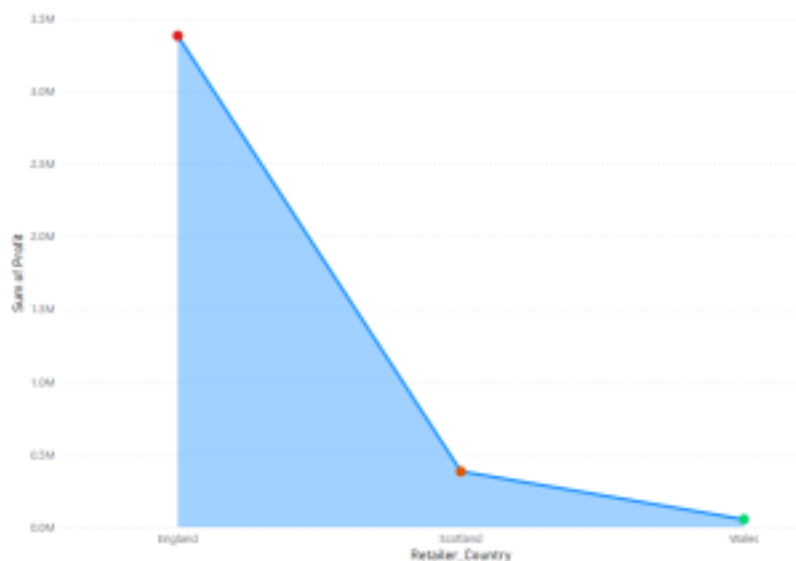
- This funnel chart shows about the amount of sales happened in different colours of the product.
- This helps to find the sequence from highest sales to lowest sales colour of the products which helps to increase the production of good selling color of the products. • Here, blue has the highest amount of sales and orange has the lowest amount of sales.

### Sales amount based on different size of the products – Tree Map:



- This treemap helps us to find the sales amount of products of different sizes. • In this chart, the largest box has the largest amount of sales. This helps to find the highest sales product and helps for increasing the production of the highest selling products.
- In these tables, small size “S” has sold more.

### Profit made by different retailer’s country – Area Chart:

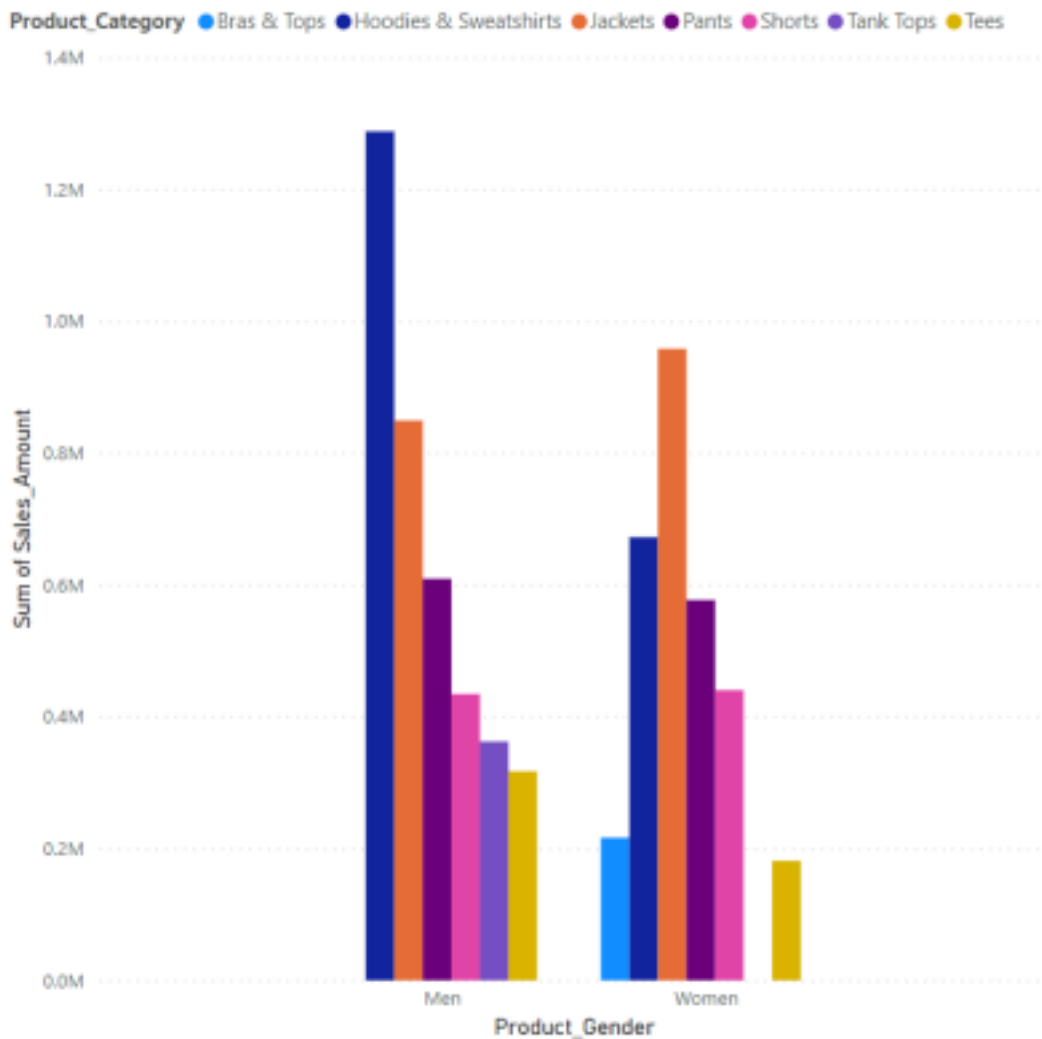


- This area Chart helps to find the profit made by different retailer’s countries. • This helps us to understand which country made more profit.
- By seeing this we can also find the country which has the lowest profit and make

some changes to increase their profit.

- In this dataset, the highest profit was made by England, followed by Scotland and the last is Wales.

### **Gender and Category based on sales – Clustered Column Chart:**



- This one chart by itself shows the sales amount of the different genders and different product categories.
- This helps us to find the relationship between the products used by the men and women.

## Finding the relationship between profit and discount based on product category – LineChart:



Using this chart, we can find the impact of discounts on different products. If the discount is more, the profit is less. If the discount is less, profit is more.

## Dashboard:

