

# Power Bi Assignment-1

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PY DS B3 2024

1) Find country count, product count, and state count using card visual



2) Split country & State column, and for state first letter should be capital

	AB C Country	AB C State
1	USA	Florida
2	USA	Florida
3	Italy	Rome
4	Italy	Rome
5	Norway	Nordland
6	Spain	Barcelona
7	India	Kerala
8	India	Kerala
9	Spain	Barcelona
10	Italy	Rome
11	USA	Florida
12	Norway	Nordland
13	Spain	Barcelona
14	USA	Florida
15	India	Kerala

3) Check for whitespaces in all columns if present then remove extra white spaces

	AB C Country	AB C State	AB C Selling Price	AB C Quantity	AB C Product	AB C Profit	AB C Region
1	USA	Florida	250	7	Iphone	1000	West
2	USA	Florida	225	2	Iphone	250	West
3	Italy	Rome	300	3	Iphone	100	South
4	Italy	Rome	150	4	Iphone	-300	South
5	Norway	Nordland	150	5	Samsung Galaxy	500	North
6	Spain	Barcelona	250	4	Google Pixel	250	South
7	India	Kerala	300	3	Iphone	-150	East
8	India	Kerala	250	2	Samsung Galaxy	100	East
9	Spain	Barcelona	250	2	Samsung Galaxy	250	South
10	Italy	Rome	400	3	Iphone	-450	South
11	USA	Florida	500	4	Google Pixel	150	West
12	Norway	Nordland	400	5	Xiaomi Me	-200	North
13	Spain	Barcelona	250	3	Xiaomi Me	300	South
14	USA	Florida	100	5	Huawei	150	West
15	India	Kerala	500	7	Huawei	350	East

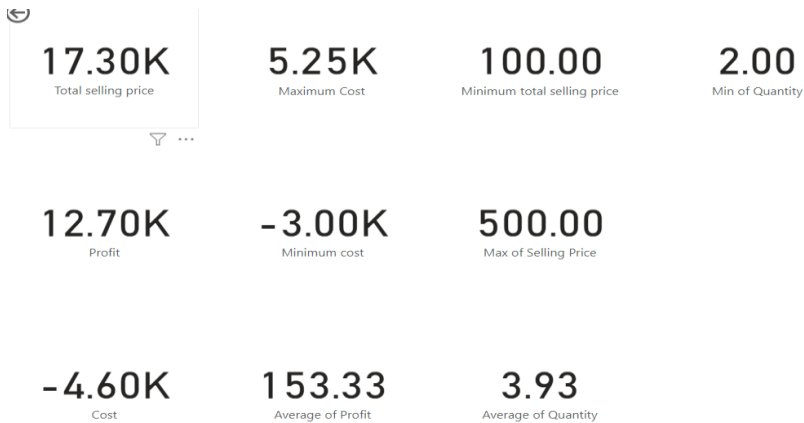
4)

4) Find Total selling Price & Cost for each product (make separate column)

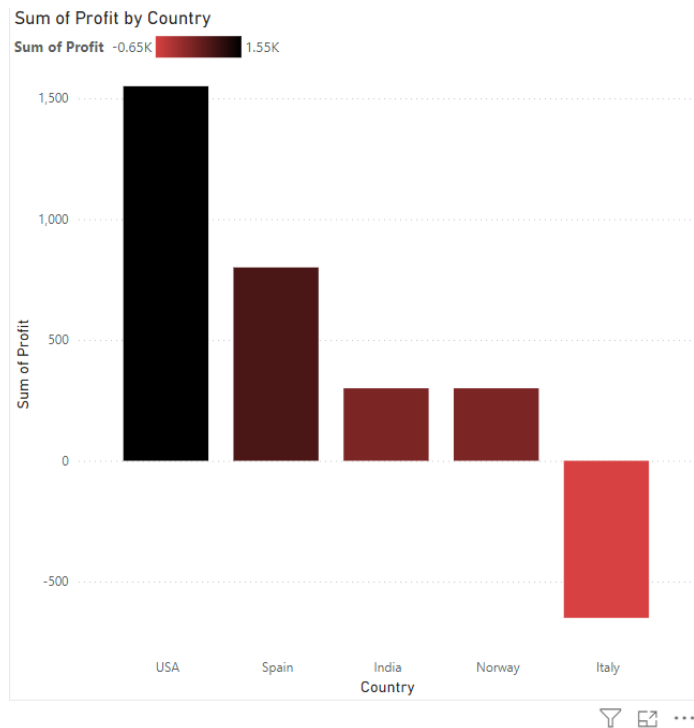
1.2 Total_Sales	1.2 Total_profit	1.2 Total_Cost
1750	7000	5250
450	500	50
900	300	-600
600	-1200	-1800
750	2500	1750
1000	1000	0
900	-450	-1350
500	200	-300
500	500	0
1200	-1350	-2550
2000	600	-1400
2000	-1000	-3000
750	900	150
500	750	250
3500	2450	-1050

5) create card visuals for

- 1.Total selling price
- 2.Profit
- 3.Cost
- 4.Maximum Cost
- 5.Minimum cost
- 6.Average Profit
- 7.Minimum total selling price
- 8.Maximum total selling price
- 9.Average Quantity
- 10.Lowest quantity



6) Create a visual profit v/s country, colour using conditional formatting



- 7) Create a new column, if region = west then output will be country name + product name otherwise state name product name

ABC 123	Condition
i250	USA Iphone
50	USA Iphone
-600	Rome Iphone
.800	Rome Iphone
.750	Nordland Samsung Galaxy
0	Barcelona Google Pixel
.350	Kerala Iphone
-300	Kerala Samsung Galaxy
0	Barcelona Samsung Galaxy
.550	Rome Iphone
.400	USA Google Pixel
.000	Nordland Xiaomi Me
150	Barcelona Xiaomi Me
250	USA Huawei
.050	Kerala Huawei

- 8) Create column, if profit less than zero "low profit", profit less than or equal to 150 then "medium profit", otherwise "High profit"

ABC 123	Condition 2
	High profit
	Mdium profit
	Mdium profit
	Low profit
	High profit
	Mdium profit
	Low profit
	Mdium profit
	Mdium profit
	Low profit
	Mdium profit
	Low profit
	High profit
	Mdium profit
	High profit

9) Each country total profit

ABC 123	Country	1.2 Total Profit
1	USA	1550
2	Italy	-650
3	Norway	300
4	Spain	800
5	India	300

10) Find total profit of each country and state

ABC 123	Country	ABC State	1.2 Total Profit
1	USA	Florida	1550
2	Italy	Rome	-650
3	Norway	Nordland	300
4	Spain	Barcelona	800
5	India	Kerala	300

11) Each product average quantity sold

ABC 123	Product	1.2 Sold
1	Iphone	3.666666667
2	Samsung Galaxy	3
3	Google Pixel	4
4	Xiaomi Me	4
5	Huawei	6

12) Find profit of each country by product

	A <sup>B</sup> <sub>C</sub> Country	A <sup>B</sup> <sub>C</sub> Product	1.2 Profit
1	USA	Iphone	1250
2	Italy	Iphone	-650
3	Norway	Samsung Galaxy	500
4	Spain	Google Pixel	250
5	India	Iphone	-150
6	India	Samsung Galaxy	100
7	Spain	Samsung Galaxy	250
8	USA	Google Pixel	150
9	Norway	Xiaomi Me	-200
10	Spain	Xiaomi Me	300
11	USA	Huawei	150
12	India	Huawei	350

13) Find Total sales and average total sales by region

	A <sup>B</sup> <sub>C</sub> Region	1.2 sales	1.2 Sales avg
1	West	4700	1175
2	South	4950	825
3	North	2750	1375
4	East	4900	1633.333333

14) Find min and max of profit and total profit for each country

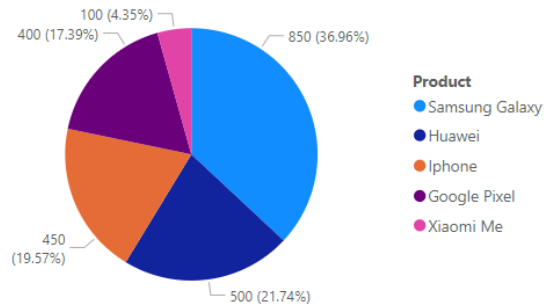
	A <sup>B</sup> <sub>C</sub> Country	1.2 Min	1.2 Max	1.2 Total_profit
1	USA	150	1000	1550
2	Italy	-450	100	-650
3	Norway	-200	500	300
4	Spain	250	300	800
5	India	-150	350	300

15) Find min and max of profit and total profit for each State

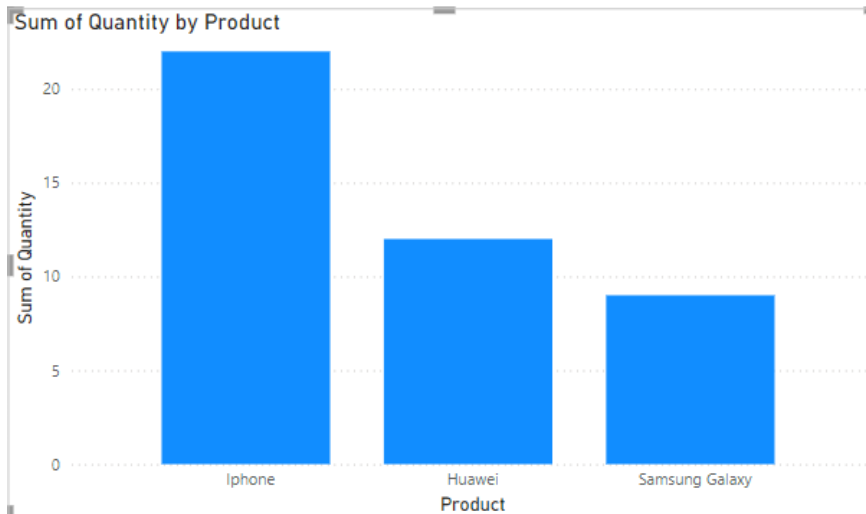
	A <sup>B</sup> <sub>C</sub> State	1.2 Min	1.2 Max	1.2 Total_profit
1	Florida	150	1000	1550
2	Rome	-450	100	-650
3	Nordland	-200	500	300
4	Barcelona	250	300	800
5	Kerala	-150	350	300

### 16) Find top 3 profitable product using pie chart

Sum of Profit by Product

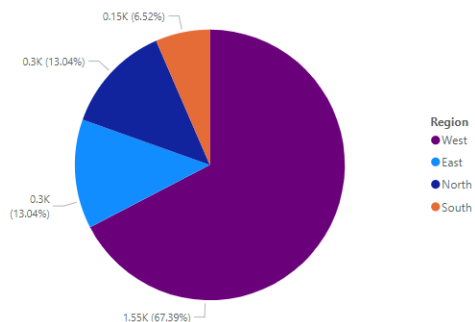


### 17) Find top 3 selling product using clustered column chart



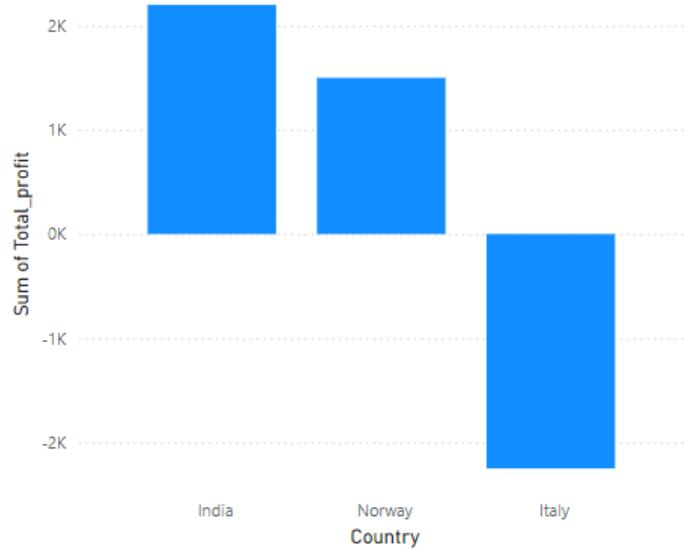
### 18) Region wise profit distribution using pie chart

Sum of Profit by Region



19) Show 3 Country having low profit using clustered column chart

Sum of Total\_profit by Country



20) Create a clustered column chart – Total sales by product, colour using conditional formatting

Sum of Total\_Sales by Product

Sum of Total\_Sales 1.75K 5.80K

