

### Assignment - 3

1. Find the following using DAX

i. Total selling price

1 Total_Selling Price = SUMX(Sales,Sales[Selling Price] * Sales[Quantity])					
17K	2300	15K	153.33	450	3!
Total_Selling Price	Total_profit	Total Cost	Average profit	Min_total_selling_price	Max_tota

ii. Profit

1 Total_profit = SUMX(Sales,Sales[Profit])			
17K	2300	15K	153.33
Total_Selling Price	Total_profit	Total Cost	Average profit

iii. Cost

1 Total Cost = SUMX(Sales, [Total_Selling Price] - Sales[Profit])				
17K	2300	15K	153.33	450
Total_Selling Price	Total_profit	Total Cost	Average profit	Min_total_selling_price

iv. Average Profit

1 Average profit = AVERAGEX(Sales, Sales[Profit])				
17K	2300	15K	153.33	
Total_Selling Price	Total_profit	Total Cost	Average profit	Mi

v. Minimum Total Selling price

1 Min_total_selling_price = MINX(Sales,Sales[Selling Price] * Sales[Quantity])					
17K	2300	15K	153.33	450	
Total_Selling Price	Total_profit	Total Cost	Average profit	Min_total_selling_price	Ma

vi. Maximum Total selling price

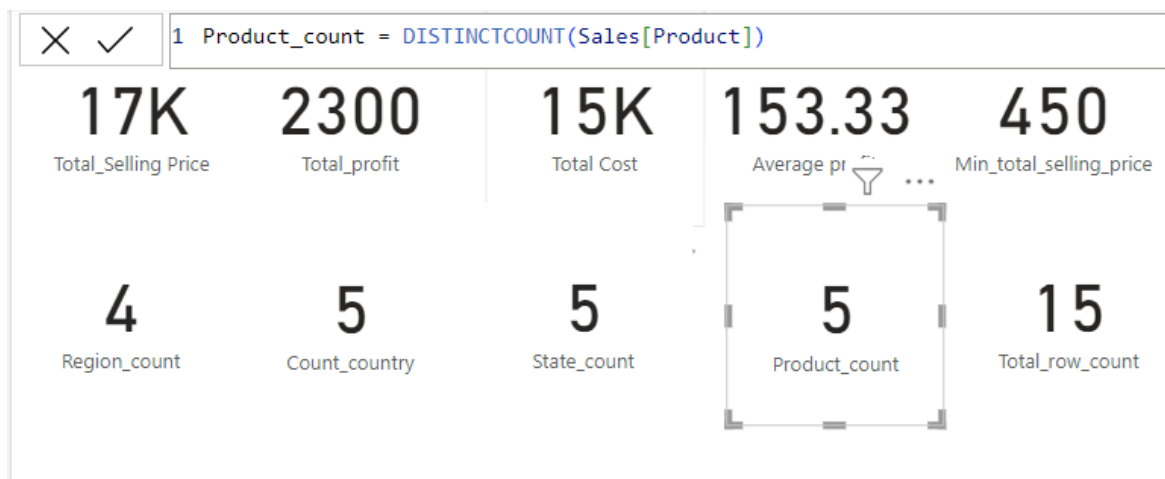
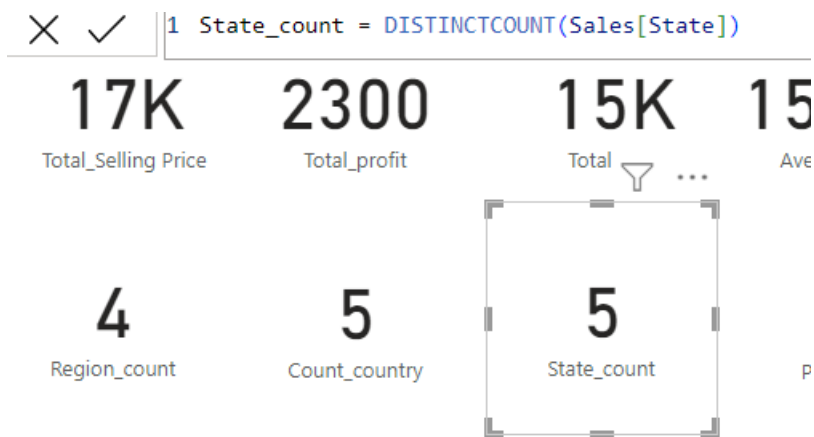
✕ ✓		1 Max_total_selling price = MAXX(Sales,Sales[Selling Price] * Sales[Quantity])			
17K	2300	15K	153.33	450	3500
Total_Selling Price	Total_profit	Total Cost	Average profit	Min_total_selling_price	Max_total_selling price

vii. Region count

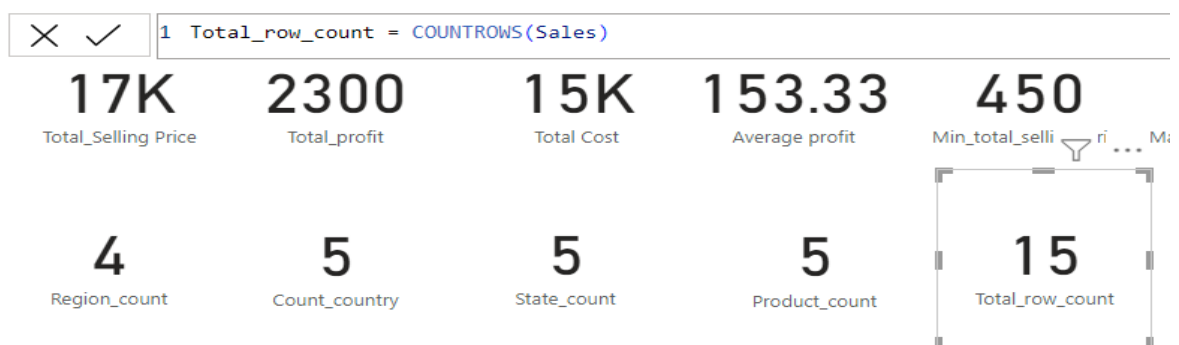
✕ ✓		1 Region_count = DISTINCTCOUNT(Sales[Region])	
17K	2300	15K	1
Total_Sell	Total_profit	Total Cost	
4	5	5	
Region_count	Count_country	State_count	

2. Find Country, state and Product count

✕ ✓		1 Count_country = DISTINCTCOUNT(Sales[Country])	
17K	2300	15K	153
Total_Selling Price	Total_p	Total Cost	Average
4	5	5	
Region_count	Count_country	State_count	Proc



3. Find Total row count



#### 4. Full details for India & USA

1 USA\_India = `FILTER('Sales', 'Sales'[Country]="USA" || 'Sales'[Country]="India")`

Selling Price	Quantity	Product	Profit	Region	Country	State	Is Even
250	7	Iphone	1000	West	USA	FloRida	True
225	2	Iphone	250	West	USA	FloRida	False
300	3	Iphone	-150	East	India	Kerala	True
250	2	Samsung Galaxy	100	East	India	Kerala	True
500	4	Google Pixel	150	West	USA	FloRida	True
100	5	Huawei	150	West	USA	FloRida	True
500	7	Huawei	350	East	India	Kerala	True

#### 5. Full details for USA and iPhone

1 USA\_Iphone = `FILTER('Sales', 'Sales'[Country]="USA" && 'Sales'[Product]="Iphone")`

Selling Price	Quantity	Product	Profit	Region	Country	State	Is Even
250	7	Iphone	1000	West	USA	FloRida	True
225	2	Iphone	250	West	USA	FloRida	False

#### 6. Full details when country = USA and region = West

1 USA\_west = `FILTER('Sales', 'Sales'[Country]="USA" && 'Sales'[Region]="West")`

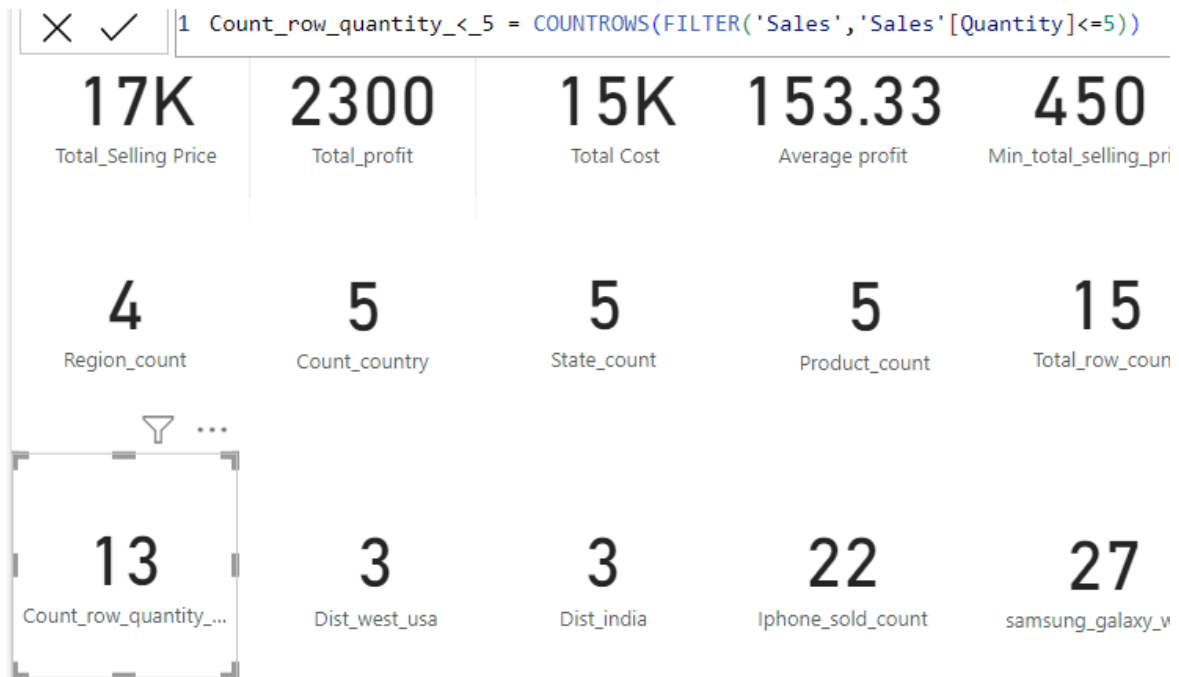
Selling Price	Quantity	Product	Profit	Region	Country	State	Is Even
250	7	Iphone	1000	West	USA	FloRida	True
225	2	Iphone	250	West	USA	FloRida	False
500	4	Google Pixel	150	West	USA	FloRida	True
100	5	Huawei	150	West	USA	FloRida	True

#### 7. Find row count when profit <0

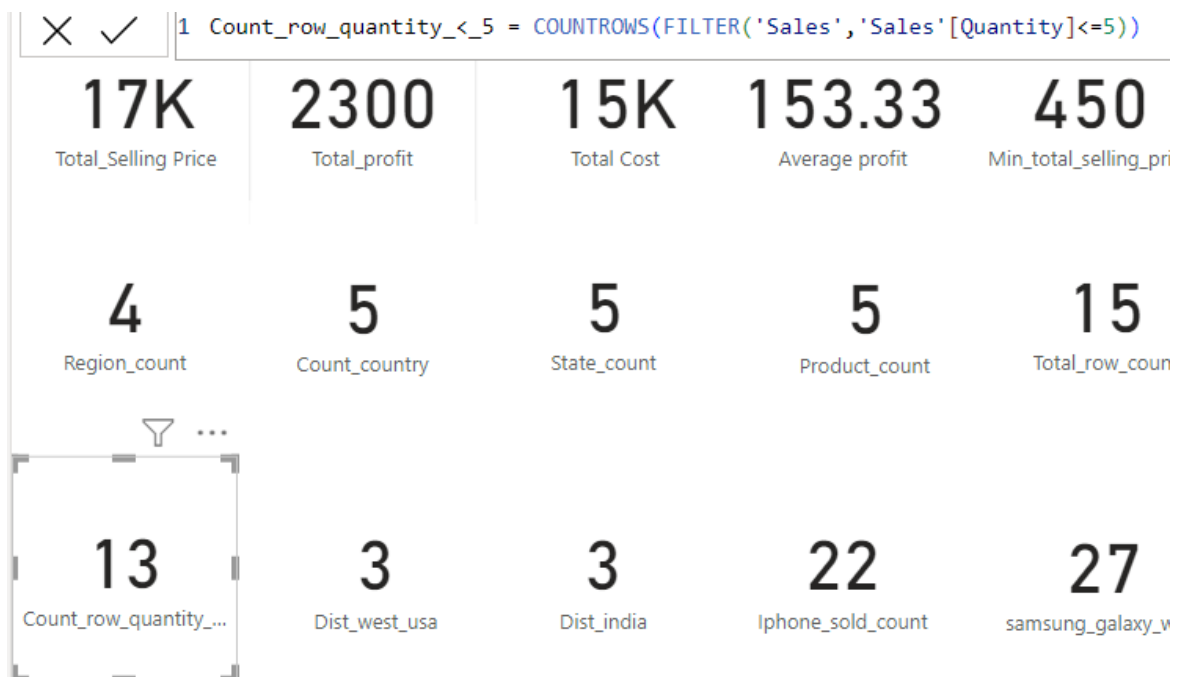
1 Count\_rows\_profit\_<\_0 = `COUNTROWS(FILTER('Sales', 'Sales'[Profit]<0))`

17K	2300	15K	153.33	450	3500
Total_Selling Price	Total_profit	Total Cost	Average profit	Min_total_selling_price	Max_total_selling_price
4	5	5	5	15	4
Region_count	Count_country	State_count	Product_count	Total_row_count	Count_rows_profit_<_0

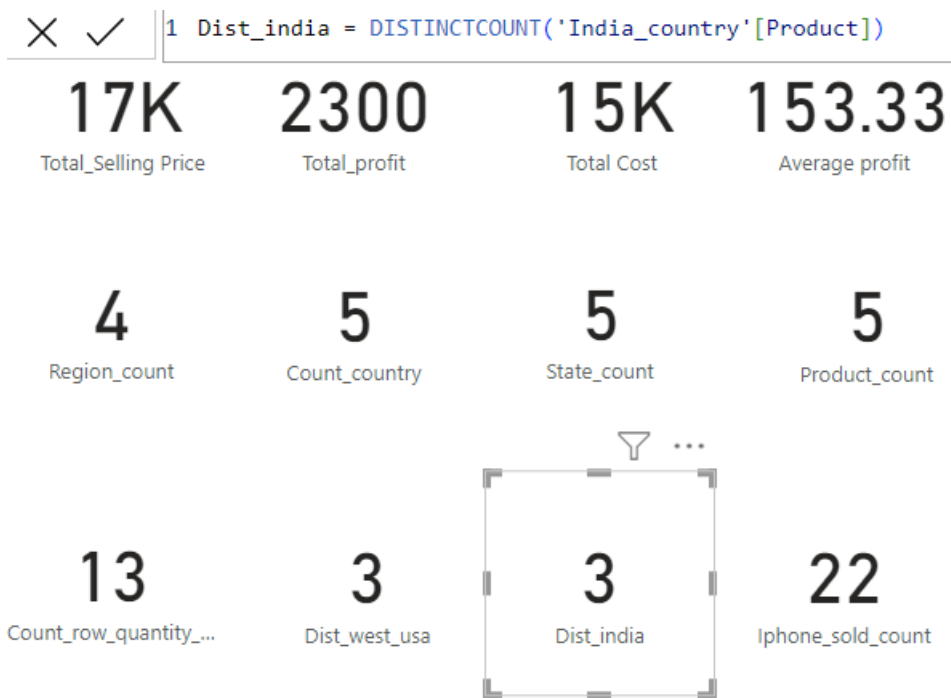
8. Find row count when quantity is less than or equal to 5



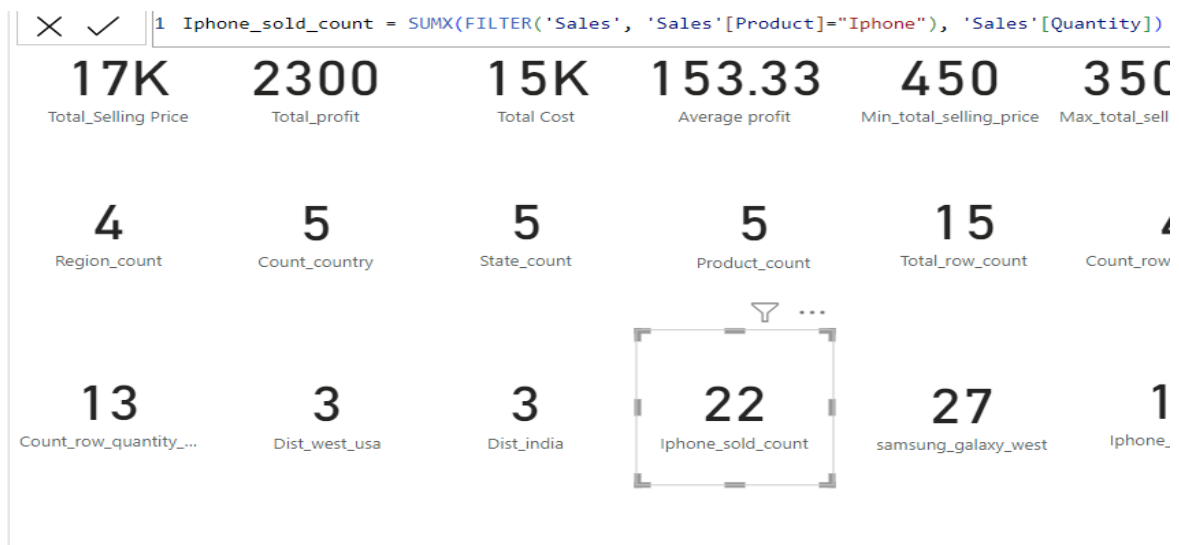
9. Find product count (distinct count) when country = USA and Region = West



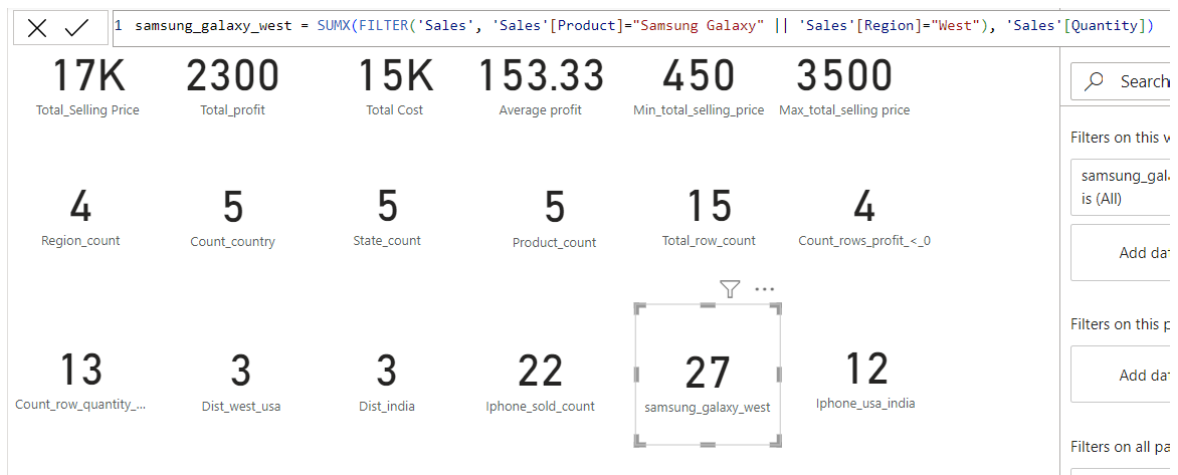
10. Find product count (distinct count) when country = India



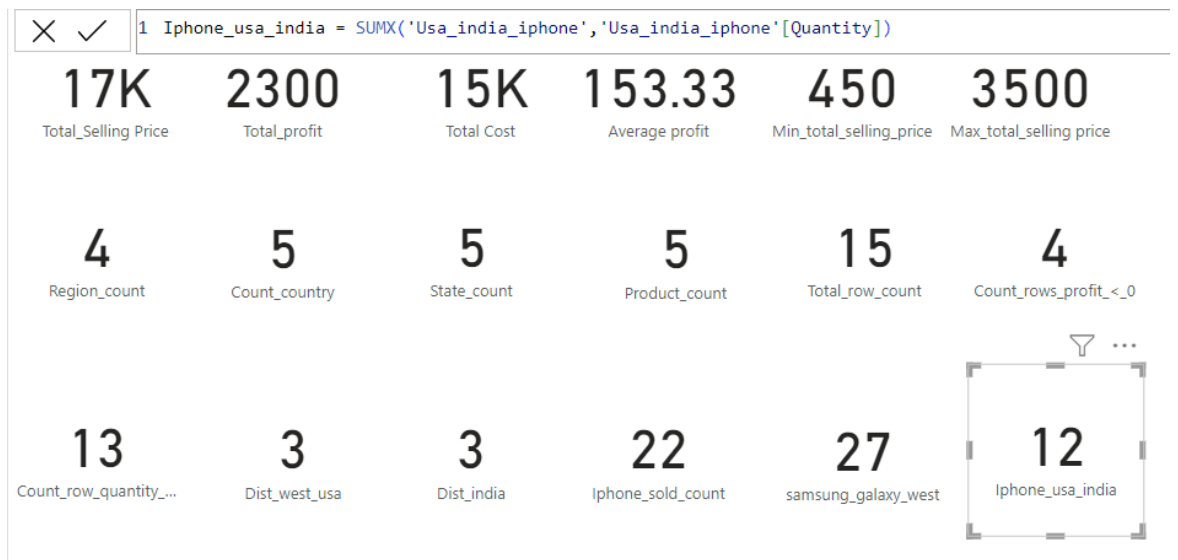
11. Find out how many iPhones have been sold



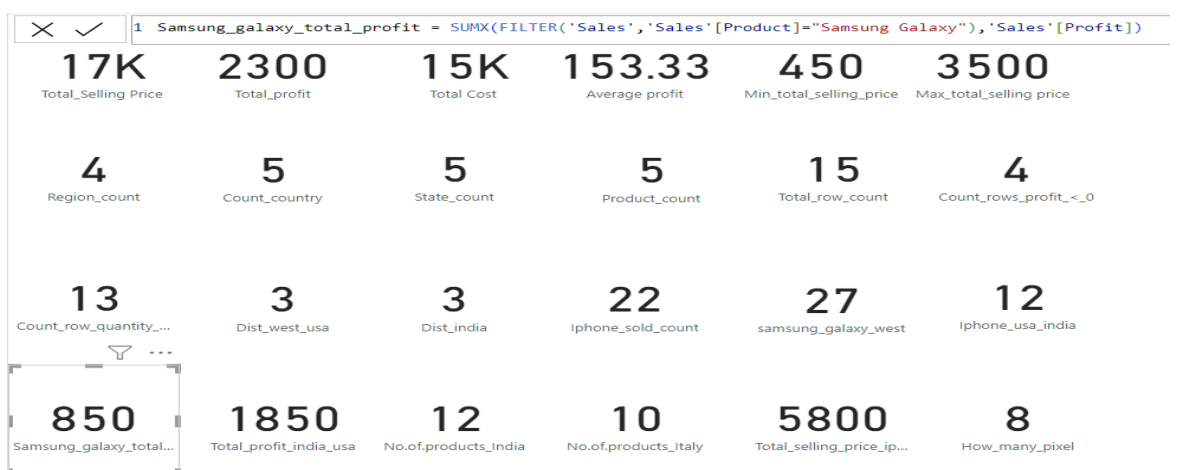
12. Find out how many Samsung galaxy sold in west region



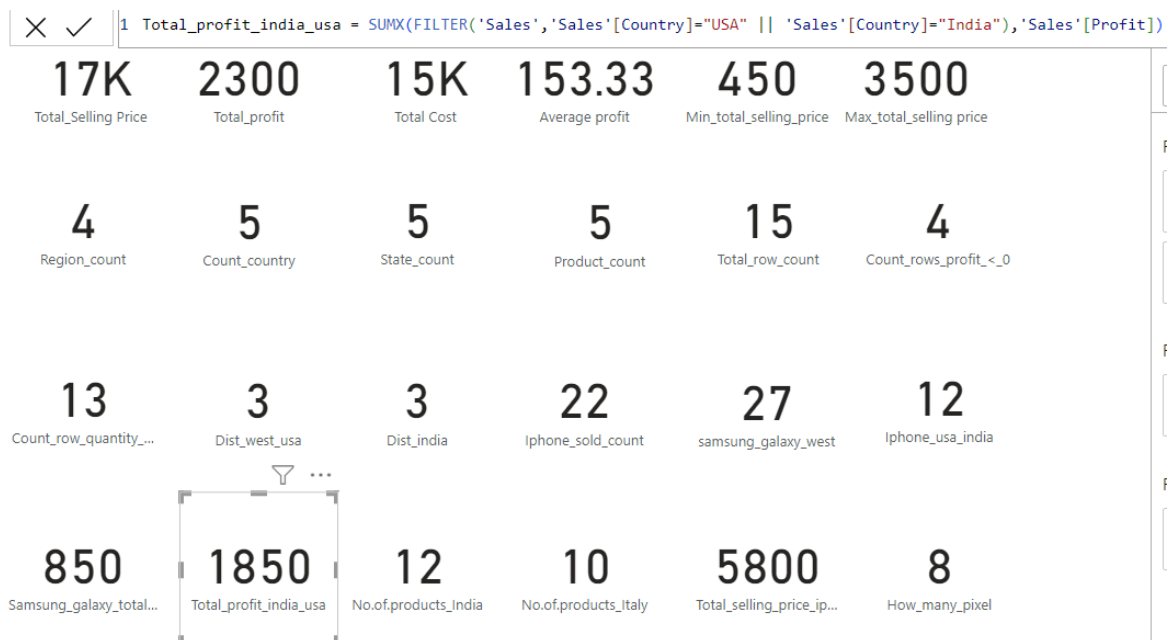
13. Find out how many iPhones sold in India and USA



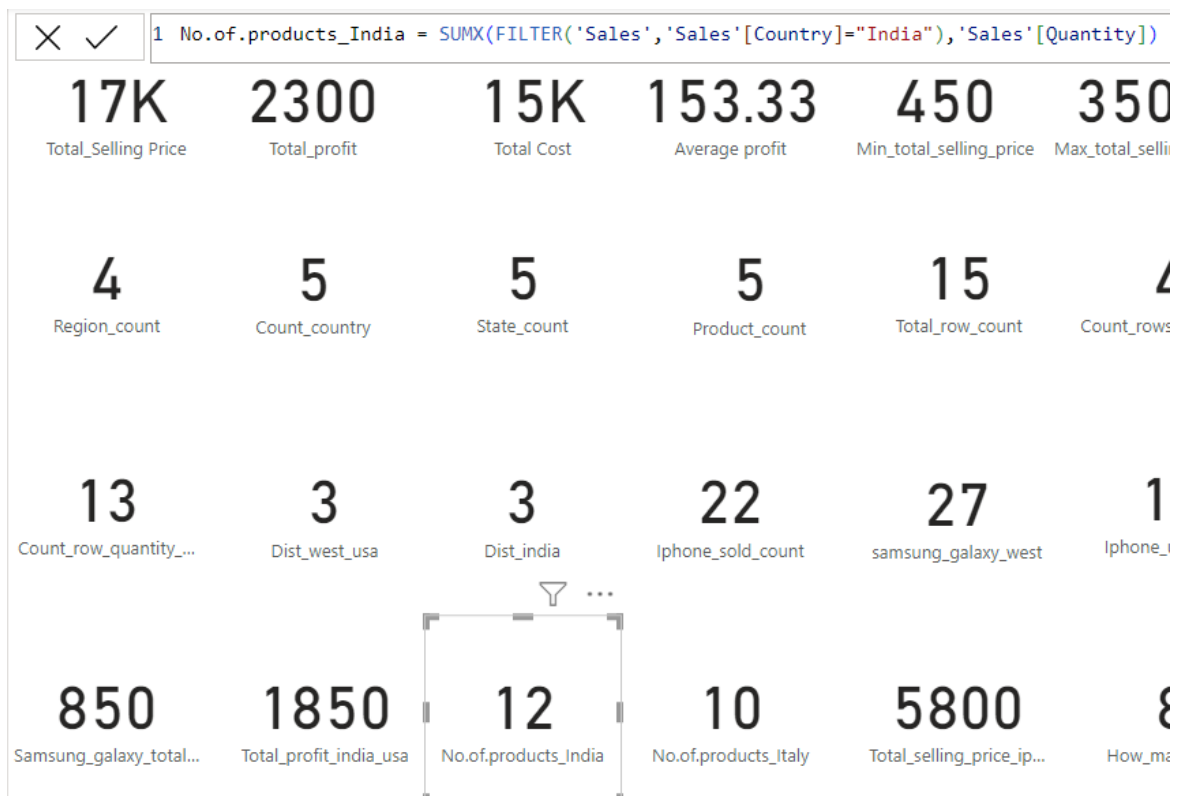
14. Find Total profit for Samsung Galaxy



15. Find Total profit for India and USA



16. Find out total no. of products sold in India



17. Find out total no. of products sold in Italy



<div> <div>✕</div> <div>✓</div> </div> <div>1 No.of.products_Italy = SUMX(FILTER('Sales','Sales'[Country]="Italy"),'Sales'[Quantity])</div>						
17K	2300	15K	153.33	450	3500	
Total_Selling Price	Total_profit	Total Cost	Average profit	Min_total_selling_price	Max_total_selling price	
4	5	5	5	15	4	
Region_count	Count_country	State_count	Product_count	Total_row_count	Count_rows_profit_<_0	
13	3	3	22	27	12	
Count_row_quantity_...	Dist_west_usa	Dist_india	Iphone_sold_count	samsung_galaxy_west	Iphone_usa_india	
850	1850	12	10	5800	8	
Samsung_galaxy_total...	Total_profit_india_usa	No.of.products_India	No.of.products_Italy	Total_selling_price_ip...	How_many_pixel	

18. Find Total selling price for iPhone

<div> <div>✕</div> <div>✓</div> </div> <div>1 Total_selling_price_iphone = SUMX(FILTER('Sales','Sales'[Product]="Iphone"),'Sales'[Selling Price] * 'Sales'[Quantity])</div>						
17K	2300	15K	153.33	450	3500	
Total_Selling Price	Total_profit	Total Cost	Average profit	Min_total_selling_price	Max_total_selling price	
4	5	5	5	15	4	
Region_count	Count_country	State_count	Product_count	Total_row_count	Count_rows_profit_<_0	
13	3	3	22	27	12	
Count_row_quantity_...	Dist_west_usa	Dist_india	Iphone_sold_count	samsung_galaxy_west	Iphone_usa_india	
850	1850	12	10	5800	8	
Samsung_galaxy_total...	Total_profit_india_usa	No.of.products_India	No.of.products_Italy	Total_selling_price_ip...	How_many_pixel	

Filters or

Total\_selling\_price\_iphone is (All)

A

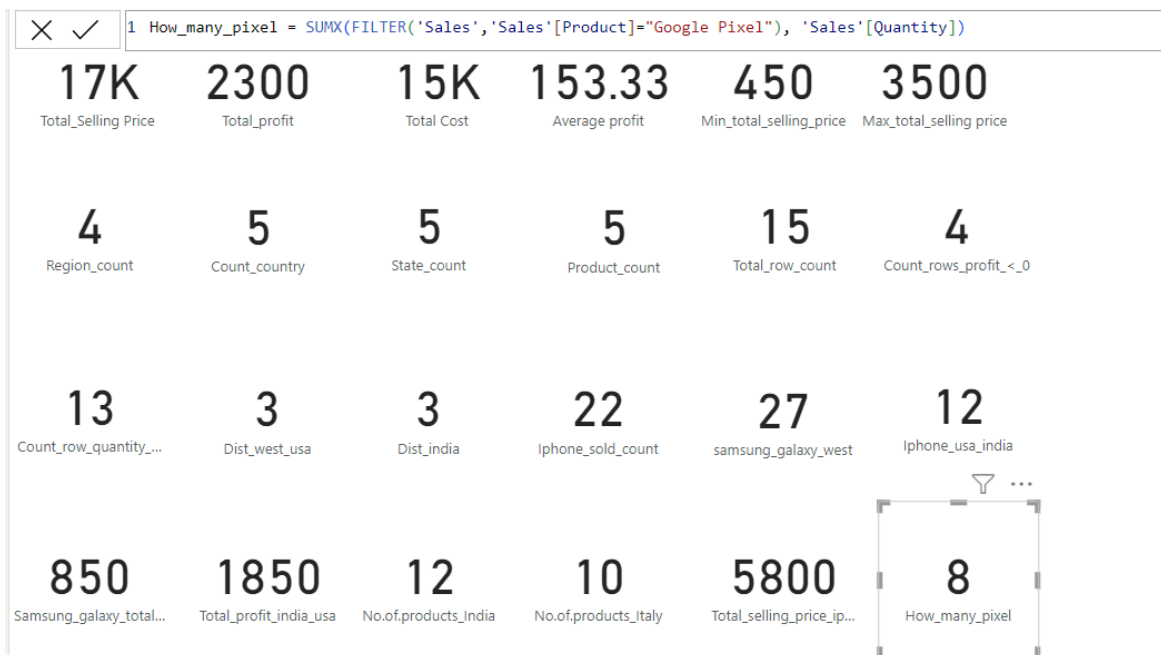
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19. Find out how many Google pixel have been sold



20. Find no of products (distinct count) having profit<100

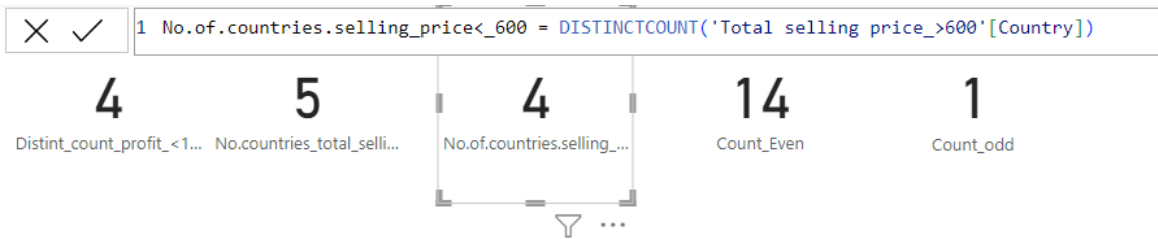


21. Find no. of Country (distinct count) having Total selling price >900



22. Find no. of Country (distinct count) having Revenue(Total selling price) less than or equal to

600



23. Create a new column to check whether selling price are even or odd

Selling Price	Quantity	Product	Profit	Region	Country	State	Is Even
250	7	Iphone	1000	West	USA	FloRida	True
225	2	Iphone	250	West	USA	FloRida	False
300	3	Iphone	100	South	Italy	RomE	True
150	4	Iphone	-300	South	Italy	RomE	True
150	5	Samsung Galaxy	500	North	Norway	Nordland	True
250	4	Google Pixel	250	South	Spain	Barcelona	True
300	3	Iphone	-150	East	India	Kerala	True
250	2	Samsung Galaxy	100	East	India	Kerala	True
250	2	Samsung Galaxy	250	South	Spain	Barcelona	True
400	3	Iphone	-450	South	Italy	RomE	True
500	4	Google Pixel	150	West	USA	FloRida	True
400	5	Xiaomi Me	-200	North	Norway	Nordland	True
250	3	Xiaomi Me	300	South	Spain	Barcelona	True
100	5	Huawei	150	West	USA	FloRida	True
500	7	Huawei	350	East	India	Kerala	True

24. Count (Is even column) when selling price is even



25. Count (Is even column) when selling price is odd

