Practice Project
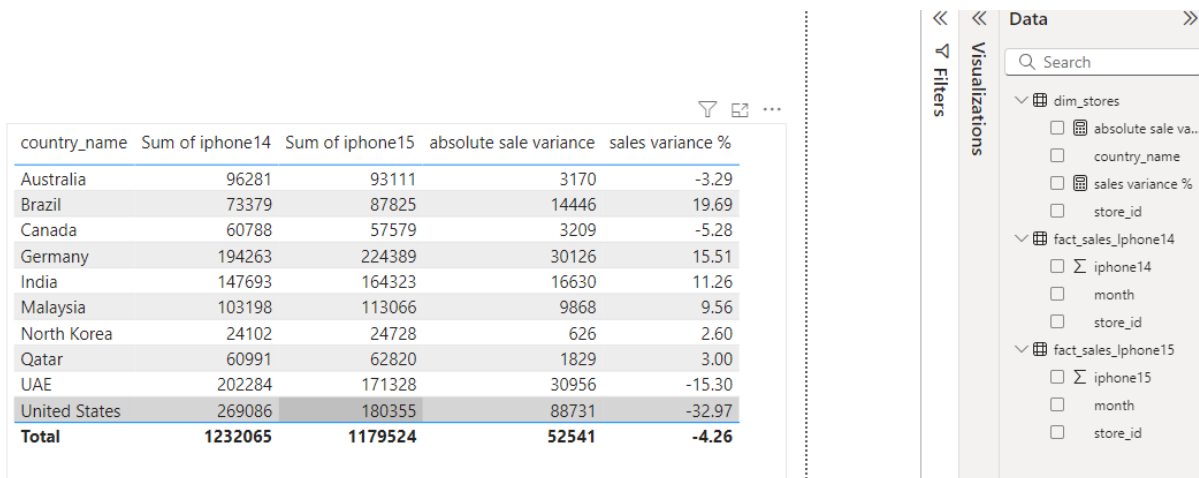
Objective:

Conduct a comparison analysis of iPhone 15 sales and iPhone 14 sales.

Datasets:

1. fact_sales_Iphone14.csv
2. fact_sales_Iphone15.csv
3. dim_stores.csv

Analysis in Power BI:

country_name	Sum of iphone14	Sum of iphone15	absolute sale variance	sales variance %
Australia	96281	93111	3170	-3.29
Brazil	73379	87825	14446	19.69
Canada	60788	57579	3209	-5.28
Germany	194263	224389	30126	15.51
India	147693	164323	16630	11.26
Malaysia	103198	113066	9868	9.56
North Korea	24102	24728	626	2.60
Qatar	60991	62820	1829	3.00
UAE	202284	171328	30956	-15.30
United States	269086	180355	88731	-32.97
Total	**1232065**	**1179524**	**52541**	**-4.26**

Data

Search

∨ dim_stores
  - absolute sale va...
  - country_name
  - sales variance %
  - store_id
∨ fact_sales_Iphone14
  - Σ iphone14
  - month
  - store_id
∨ fact_sales_Iphone15
  - Σ iphone15
  - month
  - store_id

New Measure Created in Power BI:

```
1  absolute sale variance = ABS(SUM(fact_sales_Iphone15[iphone15])-SUM(fact_sales_Iphone14[iphone14]))
```

```
1  sales variance % = DIVIDE(SUM(fact_sales_Iphone15[iphone15])-SUM(fact_sales_Iphone14[iphone14]),SUM(fact_sales_Iphone14[iphone14]))  * 100
```

Analysis in Excel:

Row Labels	Sum of iphone14	Sum of iphone15	Absolute Sales Variance	Sales Variance %
Australia	96281	93111	3170	-3.29%
Brazil	73379	87825	14446	19.69%
Canada	60788	57579	3209	-5.28%
Germany	194263	224389	30126	15.51%
India	147693	164323	16630	11.26%
Malaysia	103198	113066	9868	9.56%
North Korea	24102	24728	626	2.60%
Qatar	60991	62820	1829	3.00%
UAE	202284	171328	30956	-15.30%
United States	269086	180355	88731	-32.97%
Grand Total	1232065	1179524	52541	-4.26%

Field list:
- ☐ store_id
- ☑ country_name
- ⌐🔲 fact_sales_Iphone14
  - ☐ month
  - ☐ store_id
  - ☑ iphone14
  - ☑ fx Absolute Sales Variance
  - ☑ fx Sales Variance %
- › 🔲 fact_sales_Iphone15

Drag fields between areas below:

▼ Filters

Ⅲ Columns
- Σ Values

▦ Rows
- country_name

Σ Values
- Sum of iphone14
- Sum of iphone15
- Absolute Sales Variance
- Sales Variance %

New Measure Created in Excel:

Measure ? ✕

Table Name: fact_sales_Iphone14

Measure Name: Absolute Sales Variance

Value Description:

Formula: fx Check DAX Formula

```
=ABS([Sum of iphone15]-[Sum of iphone14])
```

Measure   ?   ✕

Table Name: fact_sales_Iphone14 ▾

Measure Name: Sales Variance %

Value Description:

Formula: *fx*   Check DAX Formula

=([Sum of iphone15]-[Sum of iphone14])/[Sum of iphone14]

Category:

General
Date
Number   Format: Percentage ▾
Currency   Decimal Places: 2 ▴▾
TRUE\FALSE   ☐ Use 1000 separator (,)

                         OK   Cancel