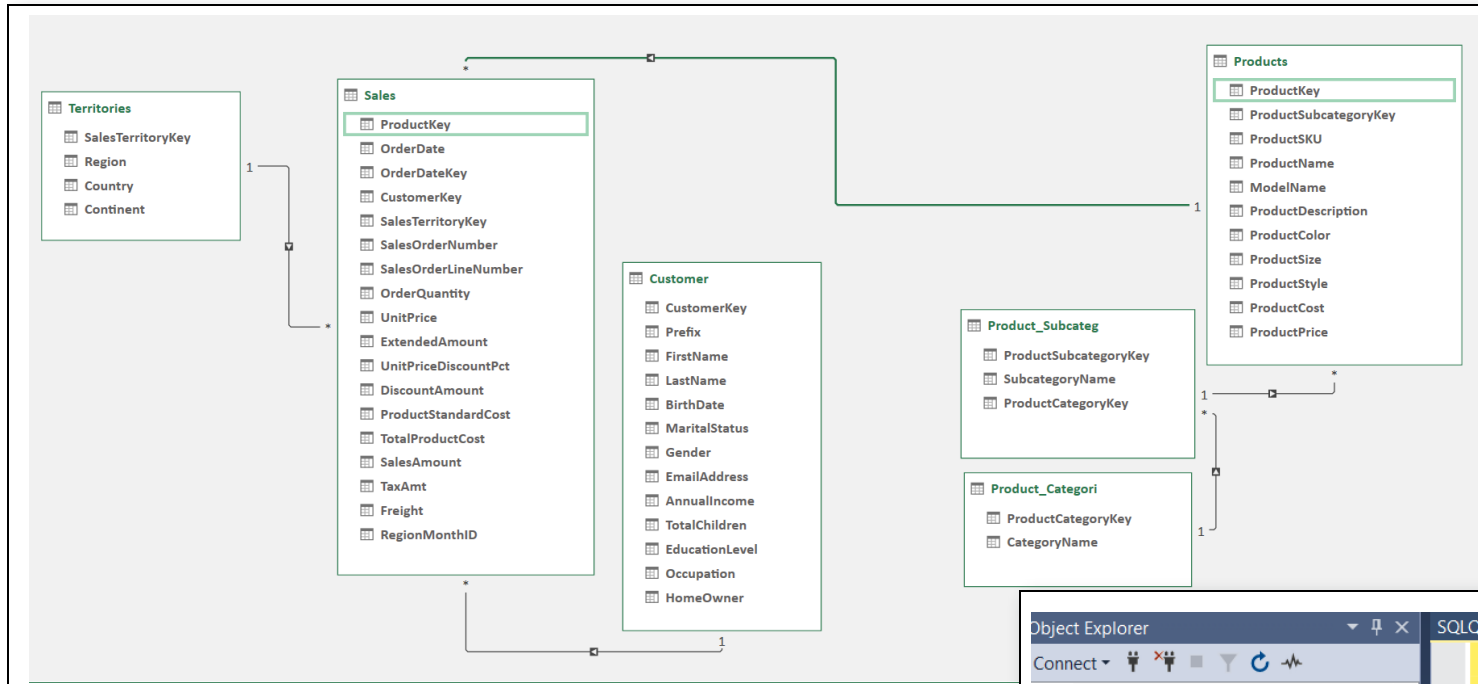


Project - Sahra Ashkir



1 - Connect to the database created using Excel and create a dashboard in Excel. Data Modelling

5 - Create a view from the sales table. The view should contain all the columns from the sales table except OrderDateKey, Sales order number, and RegionMonthID.

The screenshot shows the SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure, including the **AdventureWork** database and its tables. The SQL Query window on the right shows the following SQL code:

```
--5 Create a view from the sales table. The view should contain
--all the columns from the sales table except OrderDateKey,
--Sales order number, and RegionMonthID.

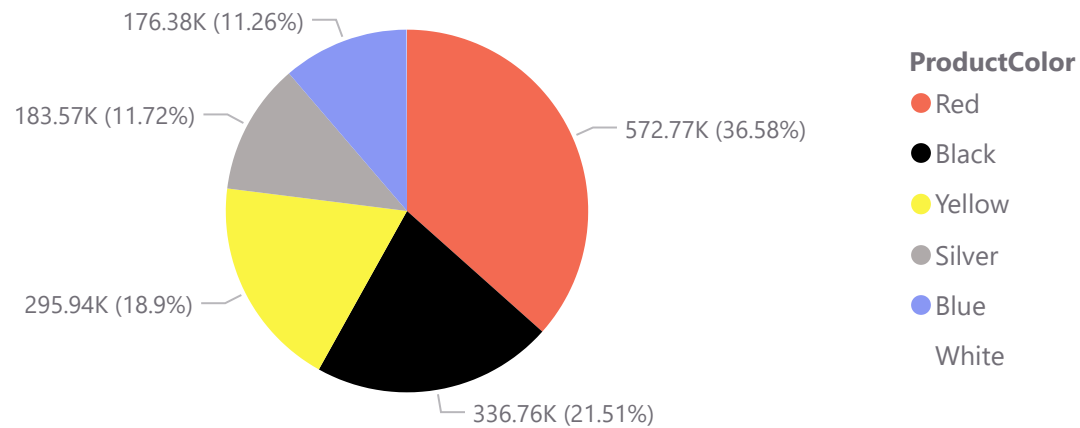
CREATE VIEW SalesSimpleTable
AS SELECT A.CustomerKey, A.DiscountAmount, A.ExtendedAmount, A.Freight,
A.OrderDate, A.OrderQuantity, A.ProductKey, A.ProductStandardCost,
A.SalesAmount, A.SalesOrderLineNumber, A.SalesTerritoryKey,
A.TaxAmt, A.TotalProductCost, A.UnitPrice, A.UnitPriceDiscountPct
FROM AdventureWork_Sales A
```

The Messages pane at the bottom indicates that the commands were completed successfully.

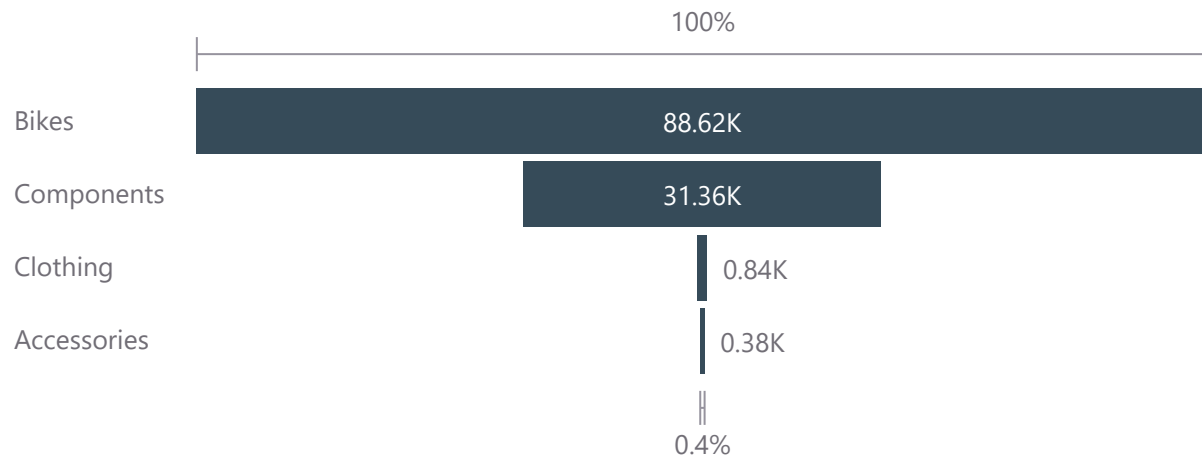
Dashboard 1 - Sahra Ashkir

1 - The dashboard should contain charts showing total sales for each product name; total tax amount for each product color, total freight for each product name, the proportion of the total product cost for each product name.

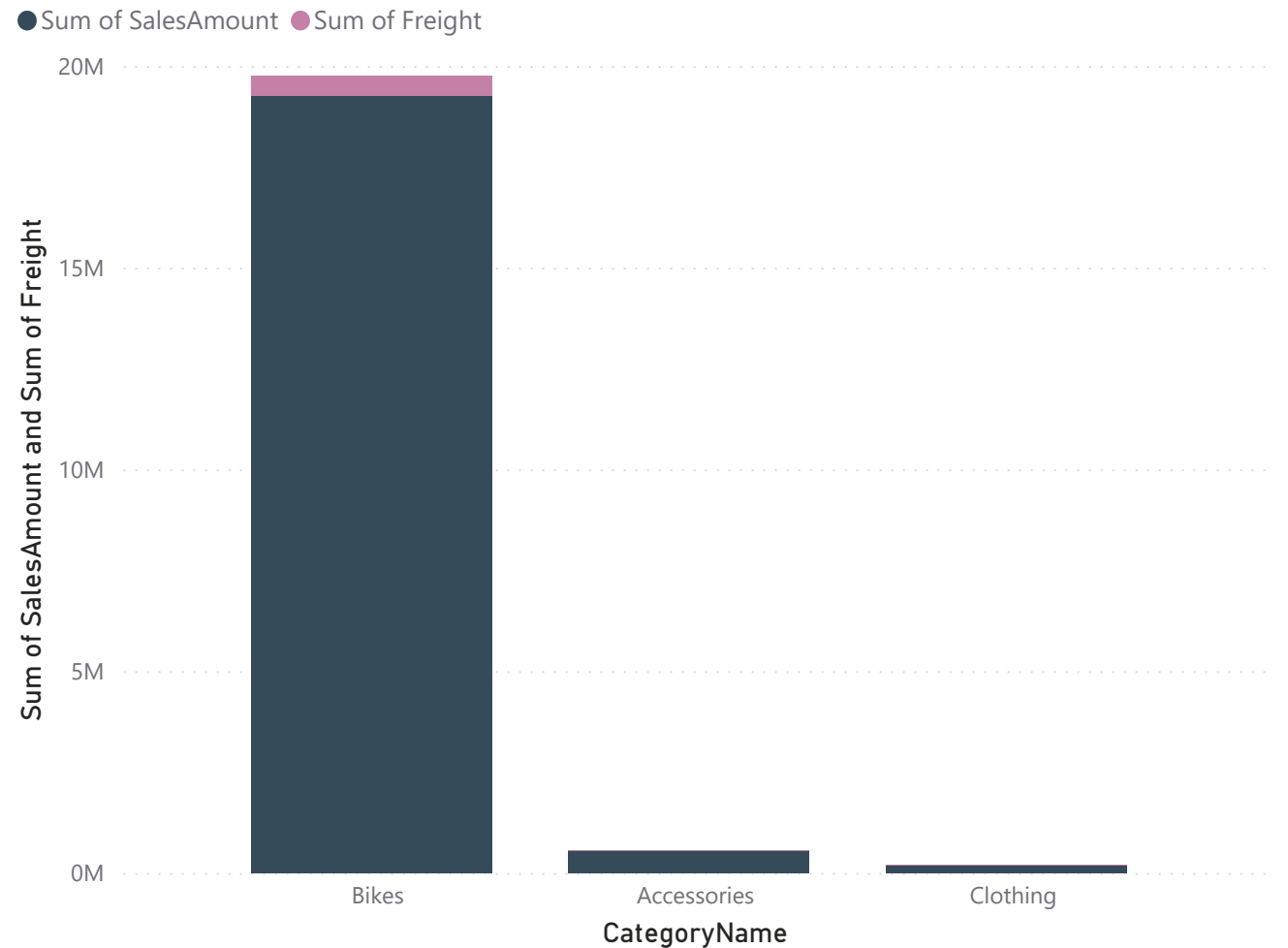
Sum of TaxAmt by ProductColor



Sum of ProductCost by CategoryName



Sum of SalesAmount and Sum of Freight by CategoryName

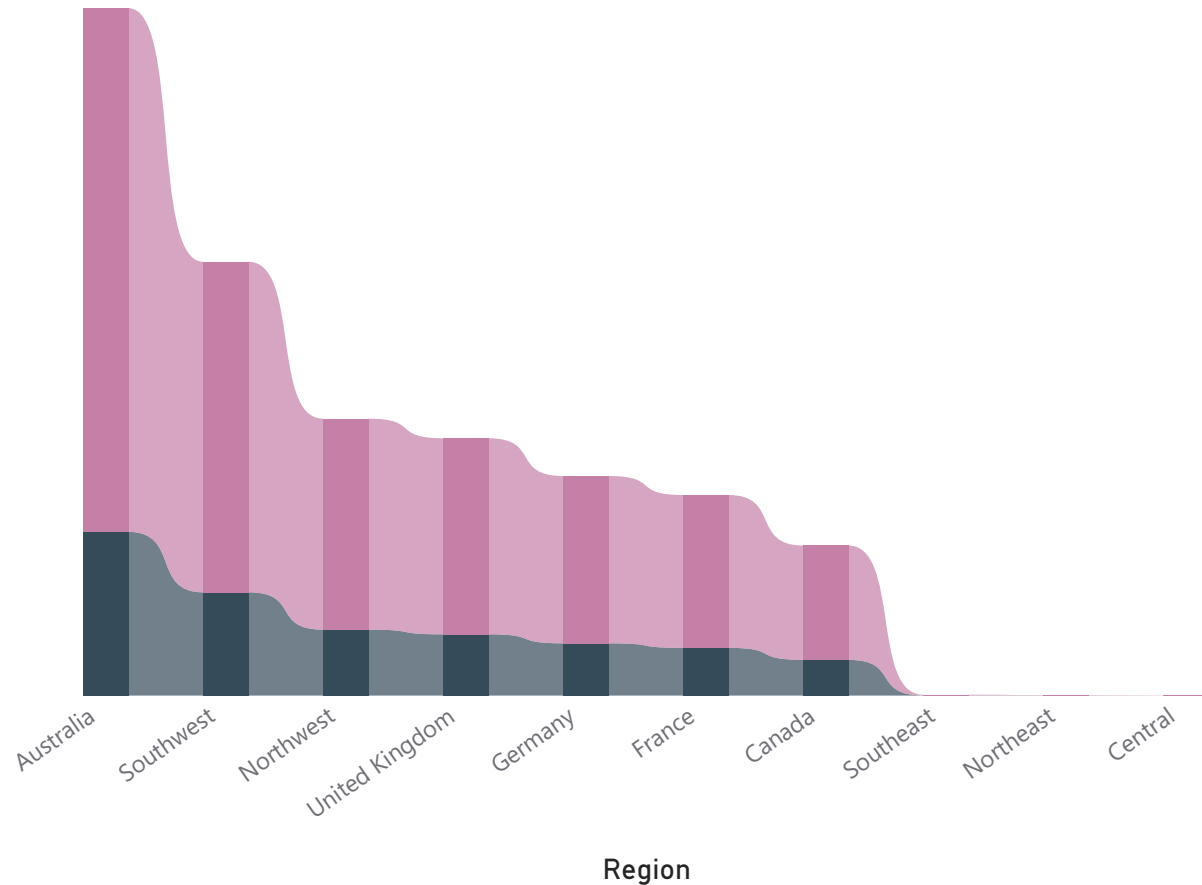


Dashboard 2 - Sahra Ashkir

2 - Create a dashboard that shows the charts for total sales amount from each country: total freight for each region; amount of product standard cost for each territory group, and proportion of the tax amount for each region.

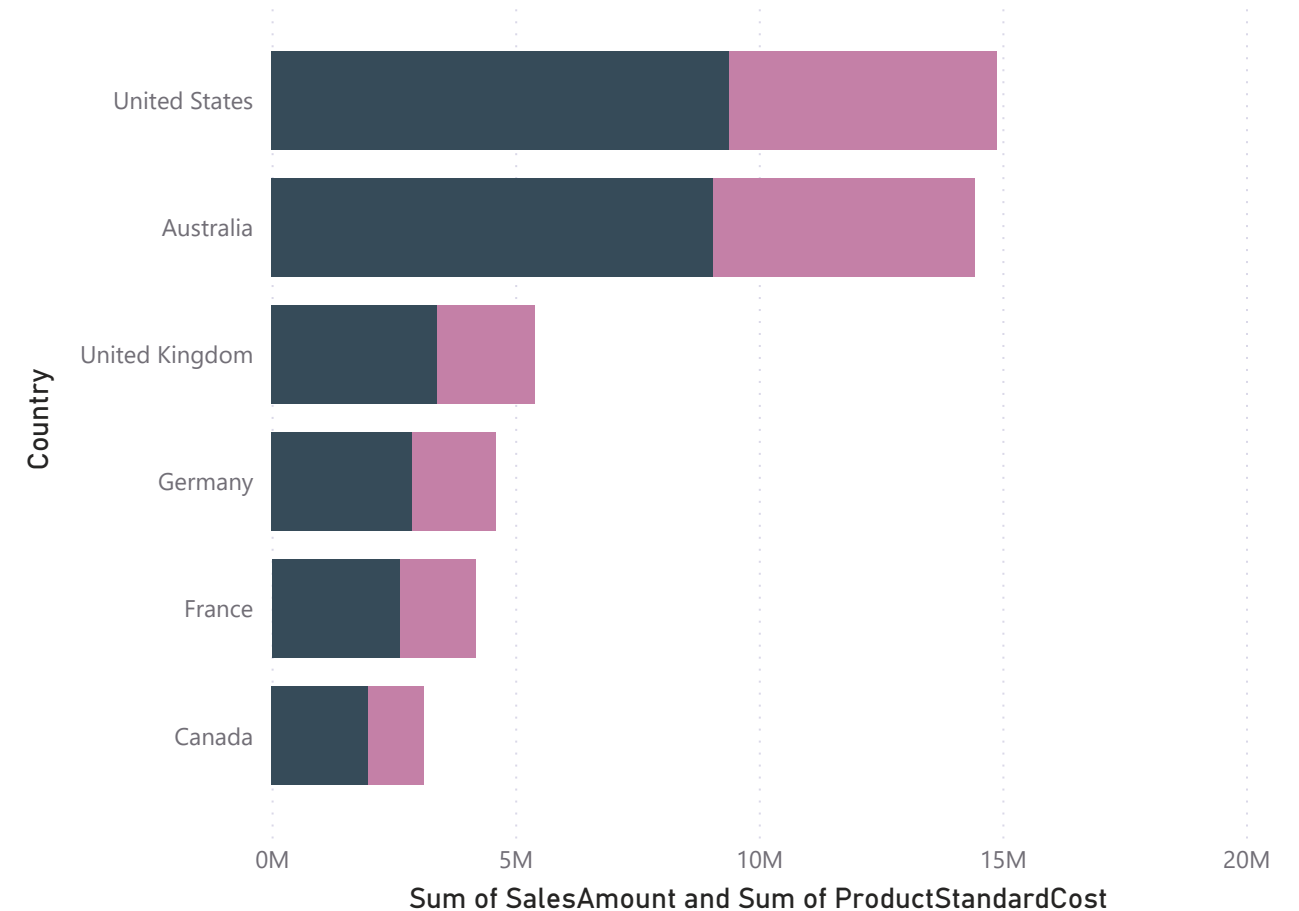
Sum of Freight and Sum of TaxAmt by Region

● Sum of Freight ● Sum of TaxAmt



Sum of SalesAmount and Sum of ProductStandardCost by Country

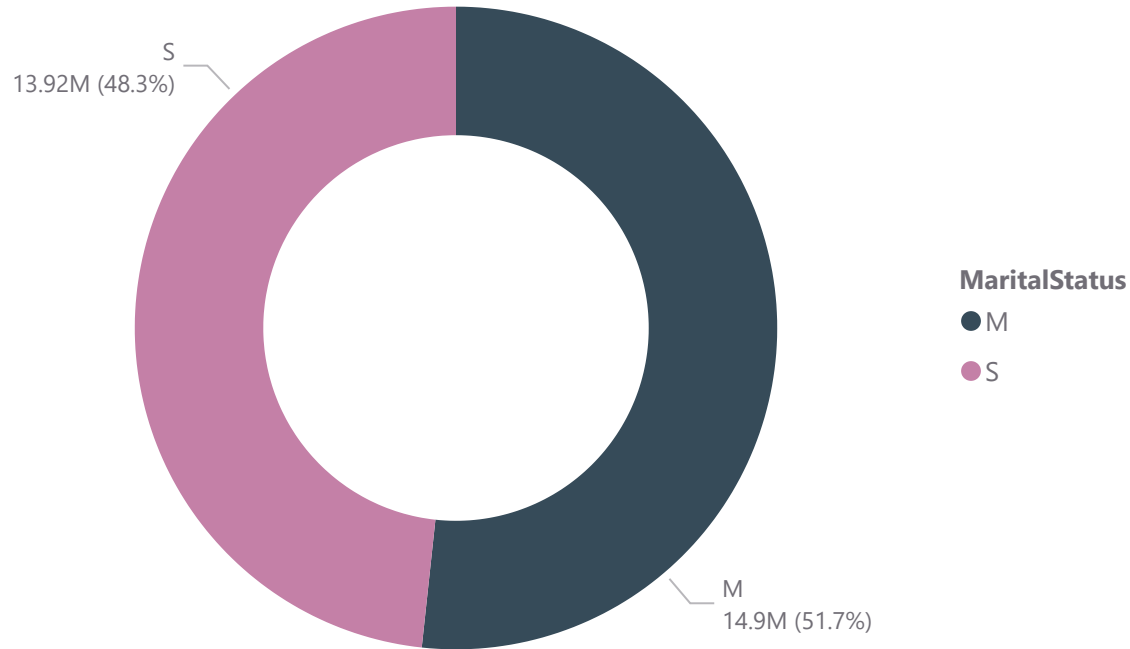
● Sum of SalesAmount ● Sum of ProductStandardCost



Dashboard 3 - Sahra Ashkir

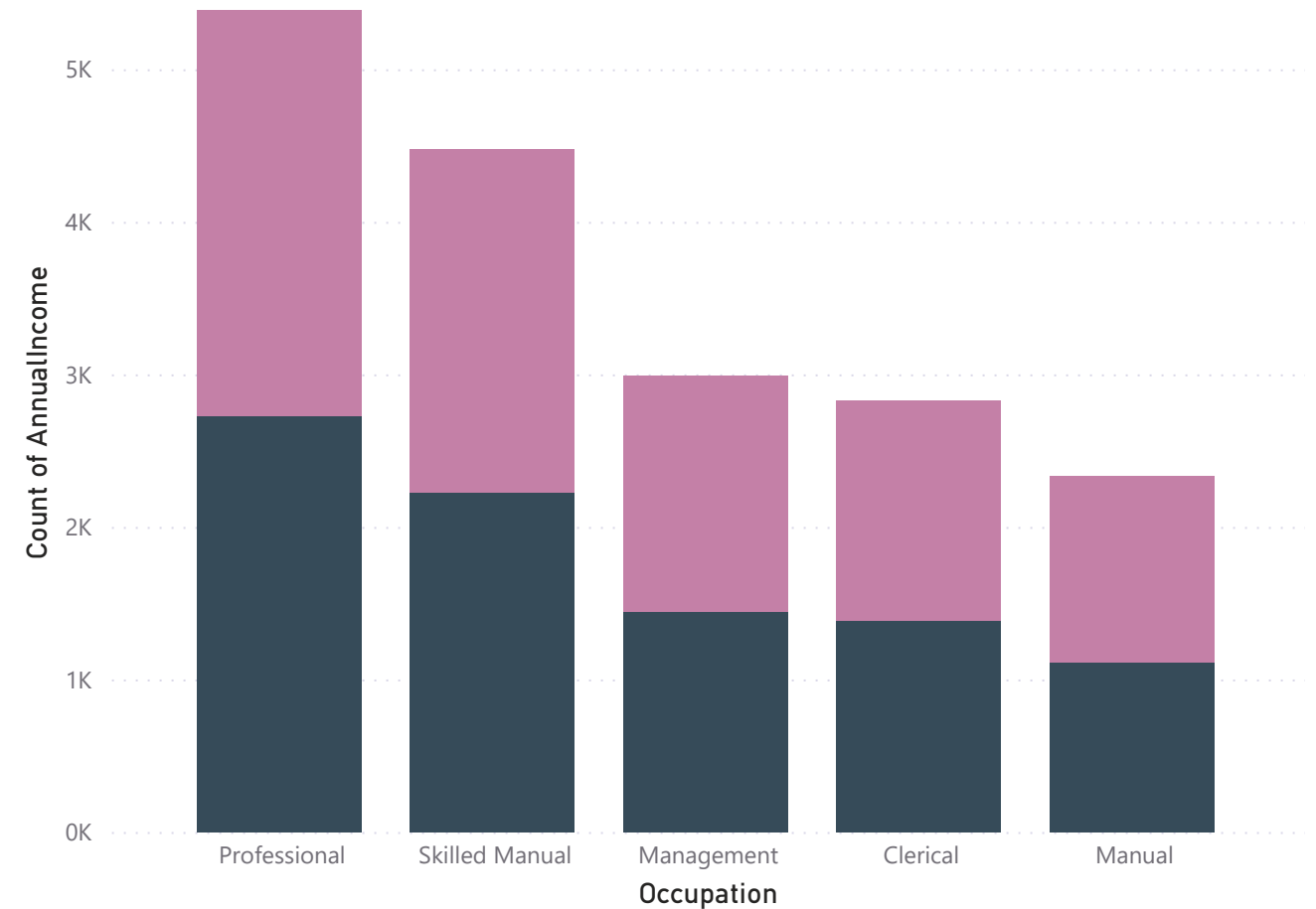
3 - Create a dashboard showing charts for: total sales made to each marital status; total yearly income for each gender; total yearly income for each occupation, and total sales amount made to each gender.

Sum of SalesAmount by MaritalStatus



Count of AnnualIncome by Occupation and Gender

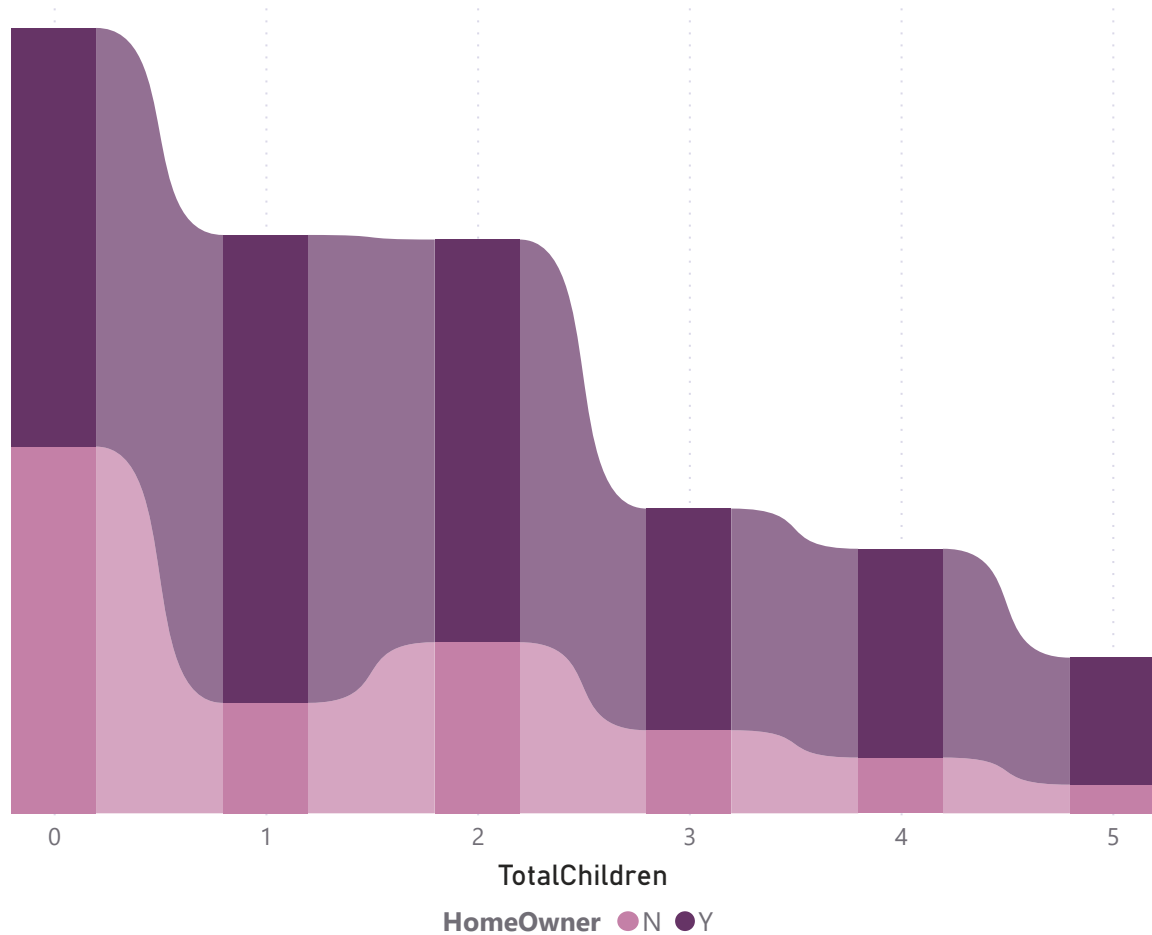
Gender ● F ● M



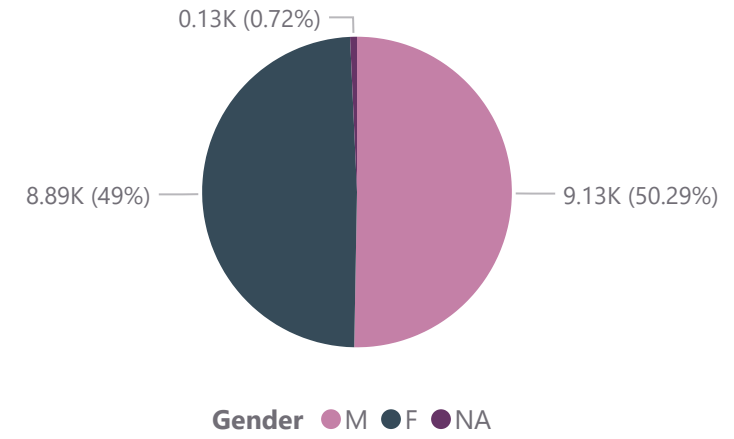
Dashboard 4 - Sahra Ashkir

4 - Create a dashboard that shows the total tax amount by house owner flag; total tax amount by number of children owned, count of each gender of the customer, total sales amount made to each occupation.

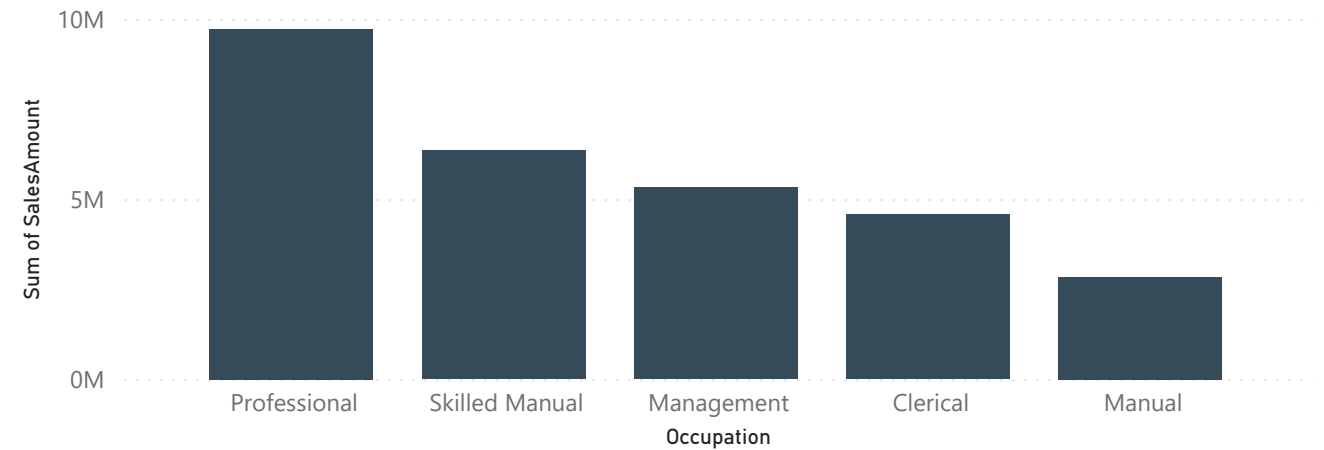
Sum of TaxAmt by TotalChildren and HomeOwner



Count of Gender by Gender



Sum of SalesAmount by Occupation



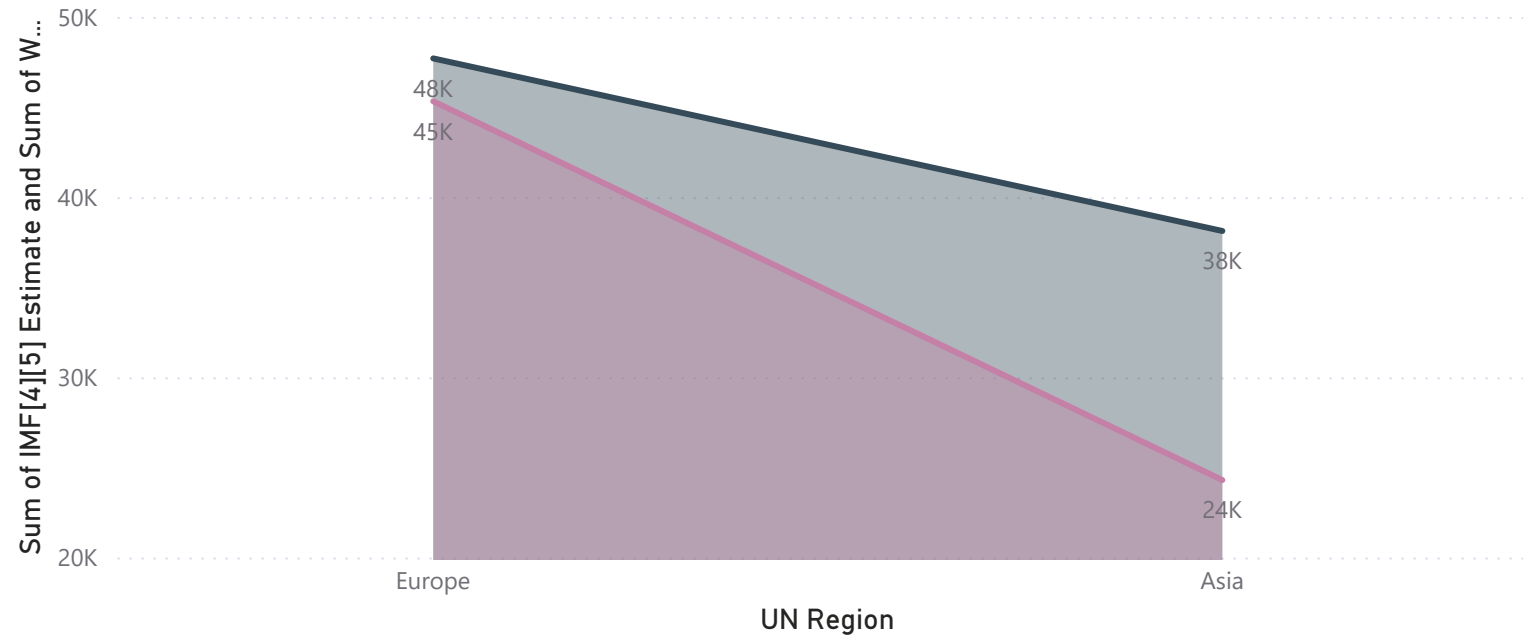
GDP Country List - Sahra Ashkir

6 - Connect to the List of countries by GDP (nominal) per capita page on Wikipedia using this link: List of countries by GDP (nominal) per capita - Wikipedia. Scrape the table and perform the necessary cleaning on the data, and create a dashboard showing the following:

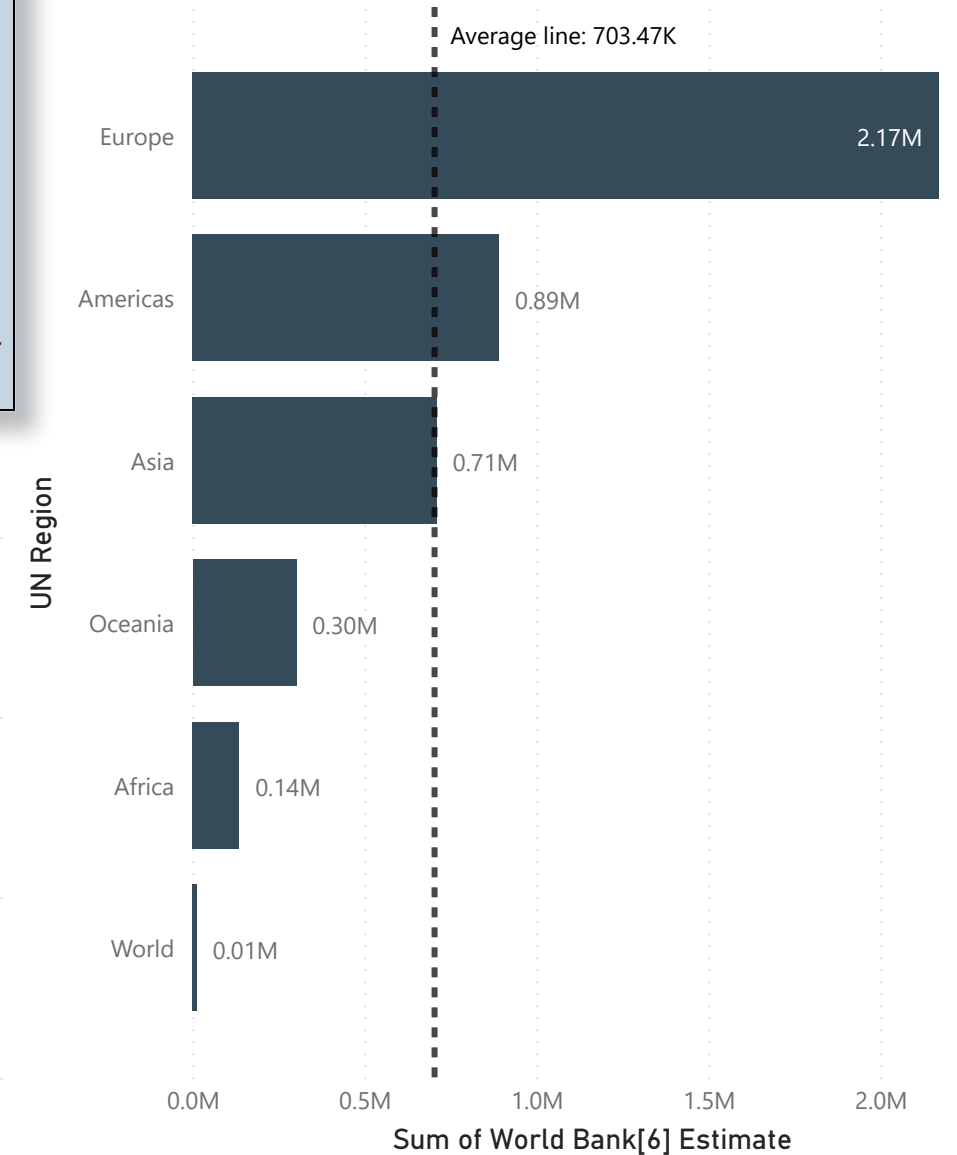
- Total GDP per capita according to IMF estimate for each region in 2022.
- Total GDP per capita for each region according to World Bank estimate for each year.
- Average GDP per capita for each region according to World Bank estimate for each year.
- Comparison of the total GDP per capita according to IMF estimate for each region in 2022 and total GDP per capita according to United Nations estimate for each region in 2020.

Sum of IMF[4][5] Estimate and Sum of World Bank[6] Estimate by UN Region

● Sum of IMF[4][5] Estimate ● Sum of World Bank[6] Estimate

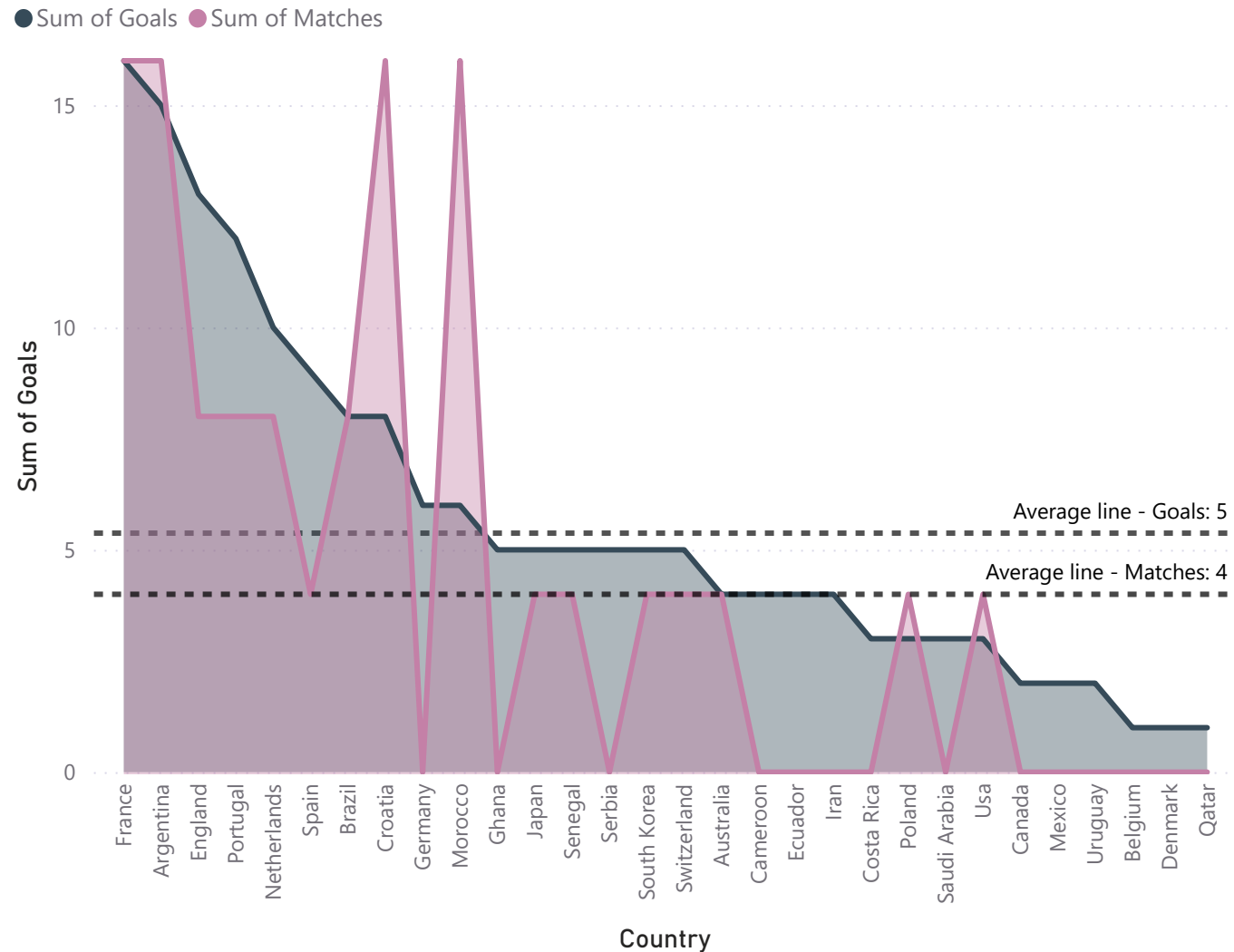


Sum of World Bank[6] Estimate by UN Region

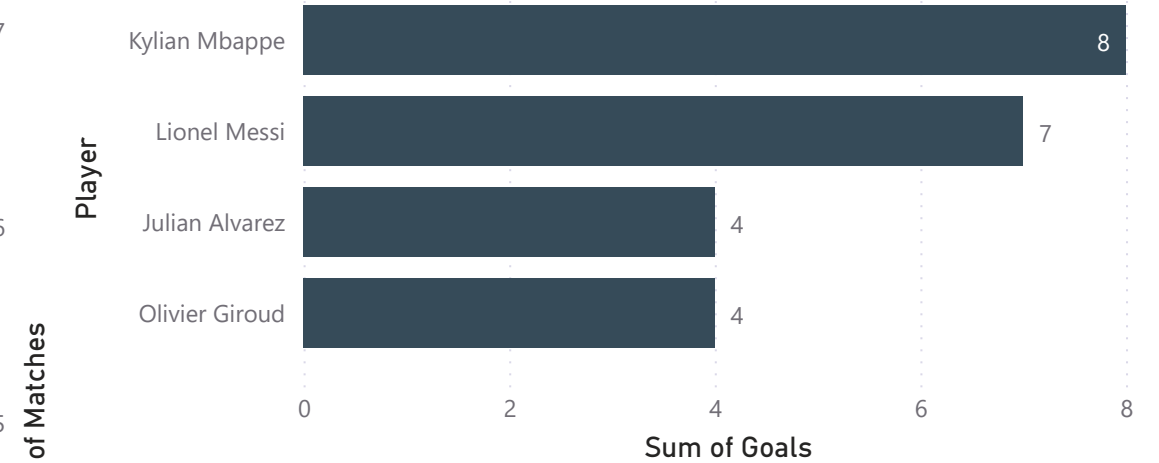


World cup 2022 - Sahra Ashkir

Sum of Goals and Sum of Matches by Country



Sum of Goals by Player who scored mover 3 goals in the world



Sum of Goals by Country

