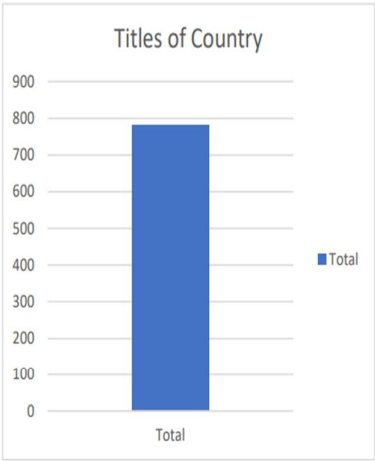


Case Study 1: IMDB Dataset

In this case study we have used the IMDB Dataset from Kaggle, we have cleaned and analysed the data and have produced the output of every question given and have also visualized the output using pivot table, pivot chart from Excel

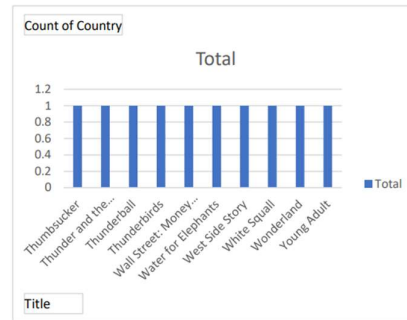
- 1. Create a view to show # of Titles by Country, excluding the USA, for the entire sample. Name the PivotTable "Titles by Country", then use a PivotChart to visualize this view as a Clustered Column Chart.

Country	(Multiple Items)
Count of Title	781



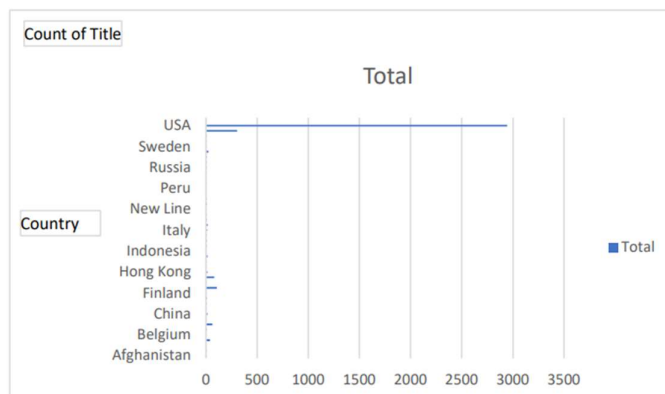
2. Hide the Field Buttons from the PivotChart, then apply a value filter to only show the top 10 countries by # of Titles. Which country is #2?

Row Labels	Count of Country
Thumbsucker	1
Thunder and the House of Magic	1
Thunderball	1
Thunderbirds	1
Wall Street: Money Never Sleeps	1
Water for Elephants	1
West Side Story	1
White Squall	1
Wonderland	1
Young Adult	1
Grand Total	10



3. Change the chart type to a Clustered Bar, and change the PivotTable sorting to ascending by # of Titles. Which country is #2?

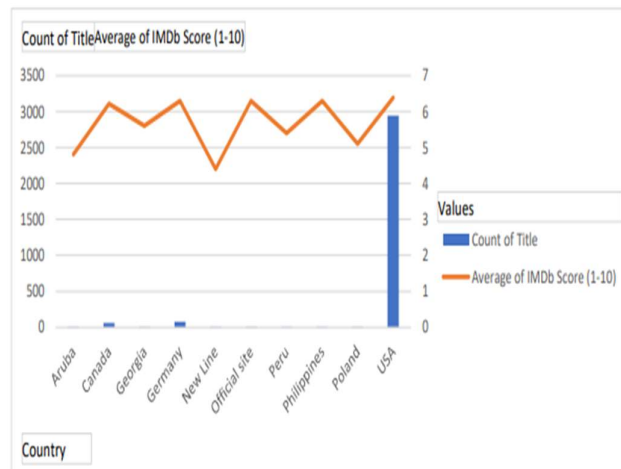
Row Labels	Count of Title
Afghanistan	1
Argentina	3
Aruba	1
Australia	39
Belgium	2
Brazil	5
Canada	63
Chile	1
China	14
Colombia	1
Czech Republic	3
Denmark	9
Finland	1
France	104
Georgia	1
Germany	79
Hong Kong	13
Hungary	2
Iceland	2
India	14
Indonesia	1
Iran	4
Ireland	7
Israel	3
Italy	11
Japan	16
Mexico	10
Netherlands	3
New Line	1



Norway	4
Official site	1
Peru	1
Philippines	1
Poland	1
Romania	2
Russia	3
South Africa	3
South Korea	8
Spain	22
Sweden	1
Taiwan	2
Thailand	4
UK	304
USA	2944
West Germany	1
Grand Total	3725

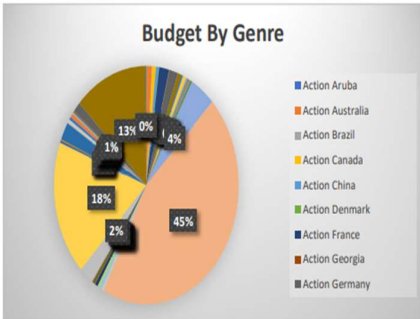
4. Pull in IMDb Score as a second series, and summarize values by Average. Change your PivotChart type to Combo, with # of Titles as a Clustered Column and IMDb Score as a Line with Markers, on the Secondary Axis. Which of the 10 countries generated the lowest average IMDb scores? (Bonus: Format the IMDb series in the chart to only show the markers, with no line)

Row Labels	Count of Title	Average of IMDb Score (1-10)
Aruba	1	5
Canada	63	6
Georgia	1	6
Germany	79	6
New Line	1	4
Official site	1	6
Peru	1	5
Philippines	1	6
Poland	1	5
USA	2944	6
Grand Total	3093	6.380763013



5. Copy the existing pivot and create a second view below the combo chart to show Budget by Genre, with a Top 5 filter applied. Name the table "Budget by Genre", then visualize this view with a Pie chart, with hidden field buttons.
6. Insert a Slicer for Genre, enable multi-select, then connect it to both PivotTables.

Row Labels	Count of Title	Average of Budget	Average of IMDb Score (1-10)
Action	900	69941800.63	6.281444444
Aruba	1	35000000	5
Australia	14	42721823.07	6
Brazil	1	40000000	8
Canada	10	60800000	6
China	8	125329000	7
Denmark	1	35000000	6
France	27	39492592.59	7
Georgia	1	20000000	6
Germany	24	48041666.67	6
Hong Kong	11	29918181.82	7
India	2	309013074	7
Indonesia	1	1100000	8
Iran	1	14000000	7
Ireland	1	23000000	6
Italy	1	200000	8
Japan	7	617359985.4	7
New Zealand	3	115000000	7
Peru	1	45000000	5
Russia	1	20000000	6
South Africa	2	16000000	8
South Korea	4	24250000	7
Spain	1	11350000	6
Taiwan	2	15000000	7
Thailand	4	227250000	6
UK	69	44791304.35	7



Genre
Action
Adventure
Animation
Biography
Comedy
Crime
Documentary
Drama

USA	702	69143428.77	6
Adventure	362	68857540.26	6.555801105
Australia	6	41291666.67	6
Belgium	1	34000000	6
Canada	5	38000000	5
France	8	85420000	7
Germany	7	75000000	6
Hungary	1	20000000	6
India	1	12000000	8
Japan	4	619250000	8
Mexico	1	2000000	8
New Zealand	2	125500000	8
Russia	1	20000000	7
Spain	2	70000000	7
UK	37	54814312.84	7
USA	285	64148035.09	7
West Germany	1	14000000	8
Animation	45	54905111.11	6.762222222
Australia	1	135000000	6
France	3	88000000	8
Germany	1	51000000	6
Israel	1	1500000	8
UK	2	42500000	7
USA	37	58698108.11	7
Crime	252	41804053.81	6.937698413
Argentina	1	1500000	8
Australia	2	8500000	7
Brazil	1	3300000	9
Canada	2	17500000	7
Colombia	1	3000000	8
Czech Republic	1	50000000	6
Denmark	2	8800000	7
France	6	16600000	7
Germany	8	28875000	7
Italy	2	21750000	8
Japan	1	1000000	7
Netherlands	1	4500000	8
Norway	1	30300000	8
South Korea	1	4200000000	8
Spain	2	12500000	6
UK	21	23995018.71	7
USA	199	26474503.35	7
Romance	3	40071666.67	6.133333333
India	1	70000000	5
USA	2	25107500	7
Grand Total	1562	64660446.03	6.46446863