Analysis of Migration Patten

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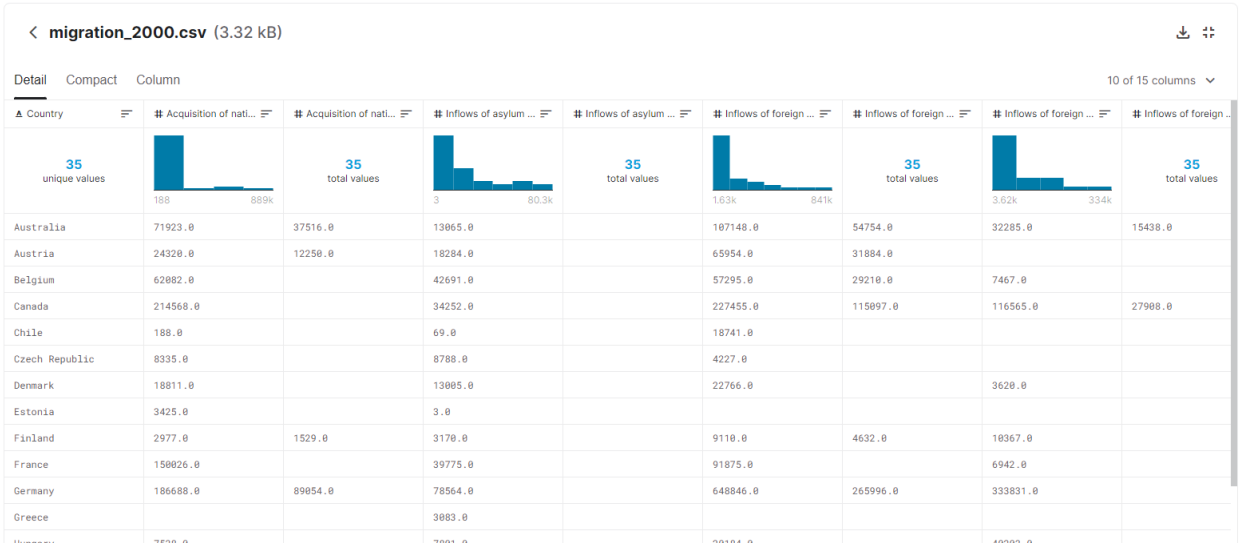
Datasets:

We used the combined datset form Kaggle which had 20 CSVs having migration data for each year (other than 2020) . Each dataset had around 15 columns where each column had data about the different aspects of migration.



migration_2000.csv (3.32 kB)

Detail Compact Column 10 of 15 columns

Country	Acquisition of nati...	Acquisition of nati...	Inflows of asylum ...	Inflows of asylum ...	Inflows of foreign ...	Inflows of foreign ...	Inflows of foreign ...	Inflows of foreign ...
35 unique values	188 889k	35 total values	3 80.3k	35 total values	1.63k 841k	35 total values	3.62k 334k	35 total values
Australia	71923.0	37516.0	13065.0		107148.0	54754.0	32285.0	15438.0
Austria	24320.0	12250.0	18284.0		65954.0	31884.0		
Belgium	62082.0		42691.0		57295.0	29210.0	7467.0	
Canada	214568.0		34252.0		227455.0	115097.0	116565.0	27908.0
Chile	188.0		69.0		18741.0			
Czech Republic	8335.0		8788.0		4227.0			
Denmark	18811.0		13005.0		22766.0		3620.0	
Estonia	3425.0		3.0					
Finland	2977.0	1529.0	3170.0		9110.0	4632.0	10367.0	
France	150026.0		39775.0		91875.0		6942.0	
Germany	186688.0	89054.0	78564.0		648846.0	265996.0	333831.0	
Greece			3083.0					

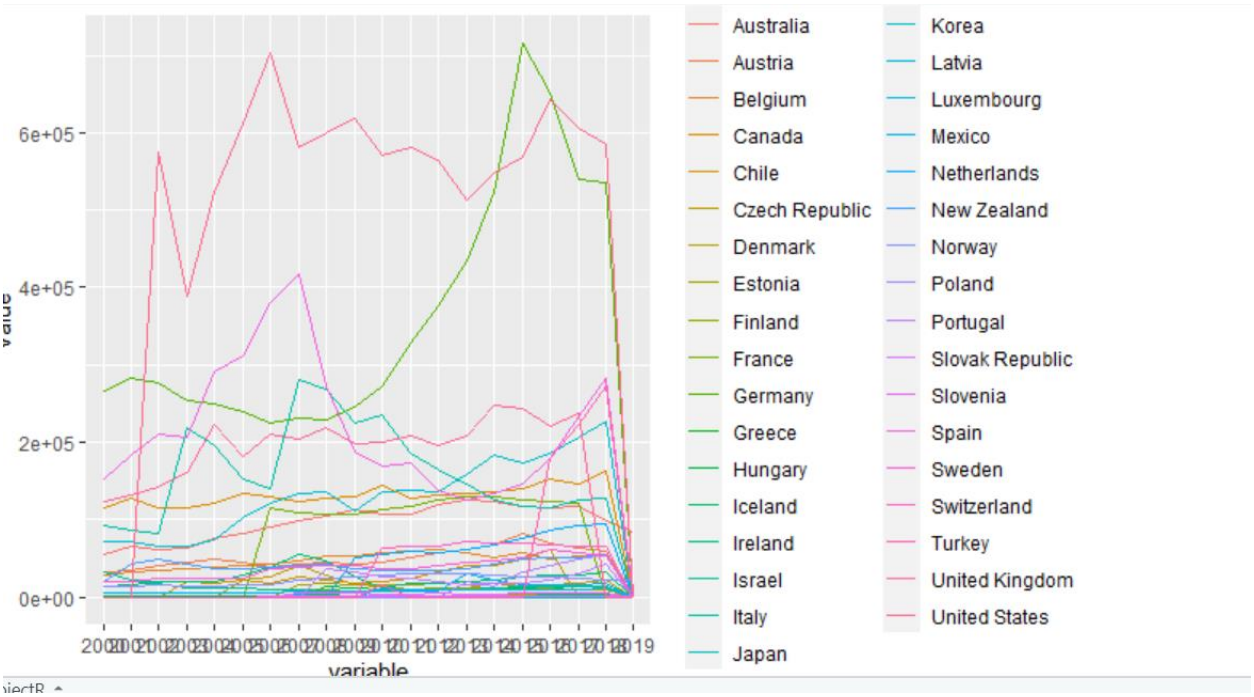
Data Proccessing and Filtering

We joined all the CSVs and created a new data frame per individual column in the original dataset. With this we had 14 new datasets which explained the migration trend across the given parameters.

We performed the null check and replaced the null values in the datasets with 0 to create proper graphs.

Business Question

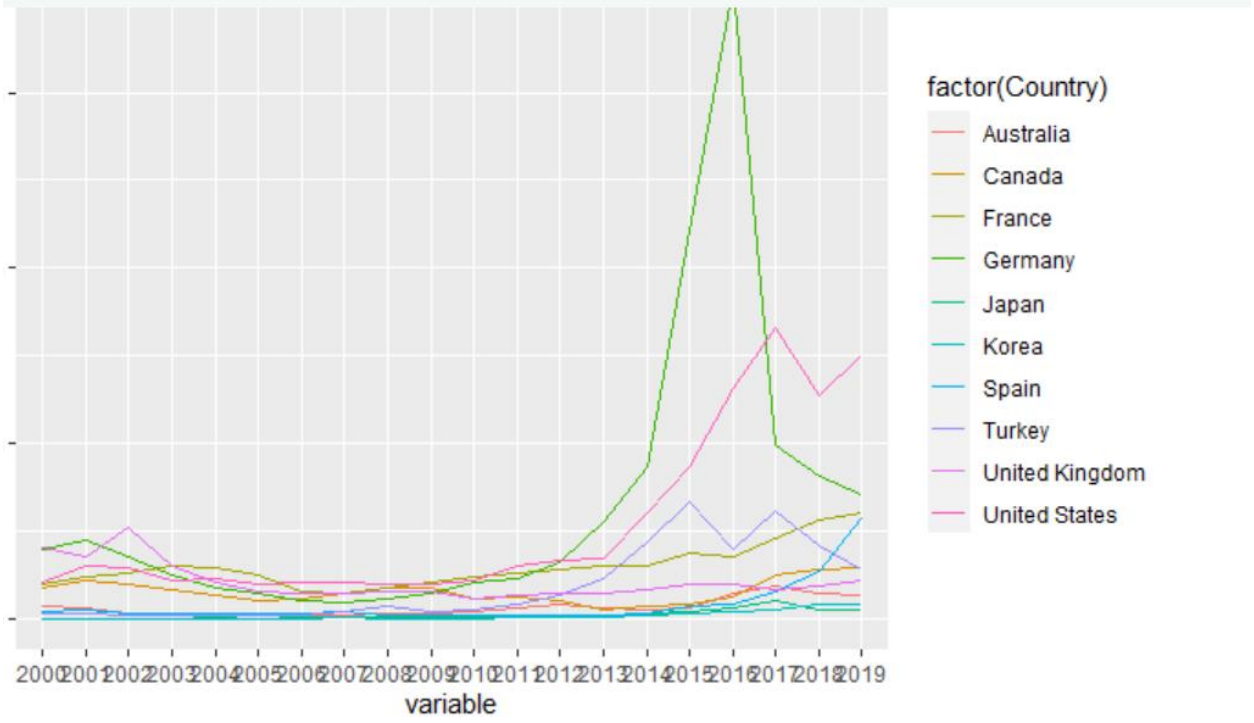
1. What is the General Migration Pattern (Stock of foreign people in the country)?



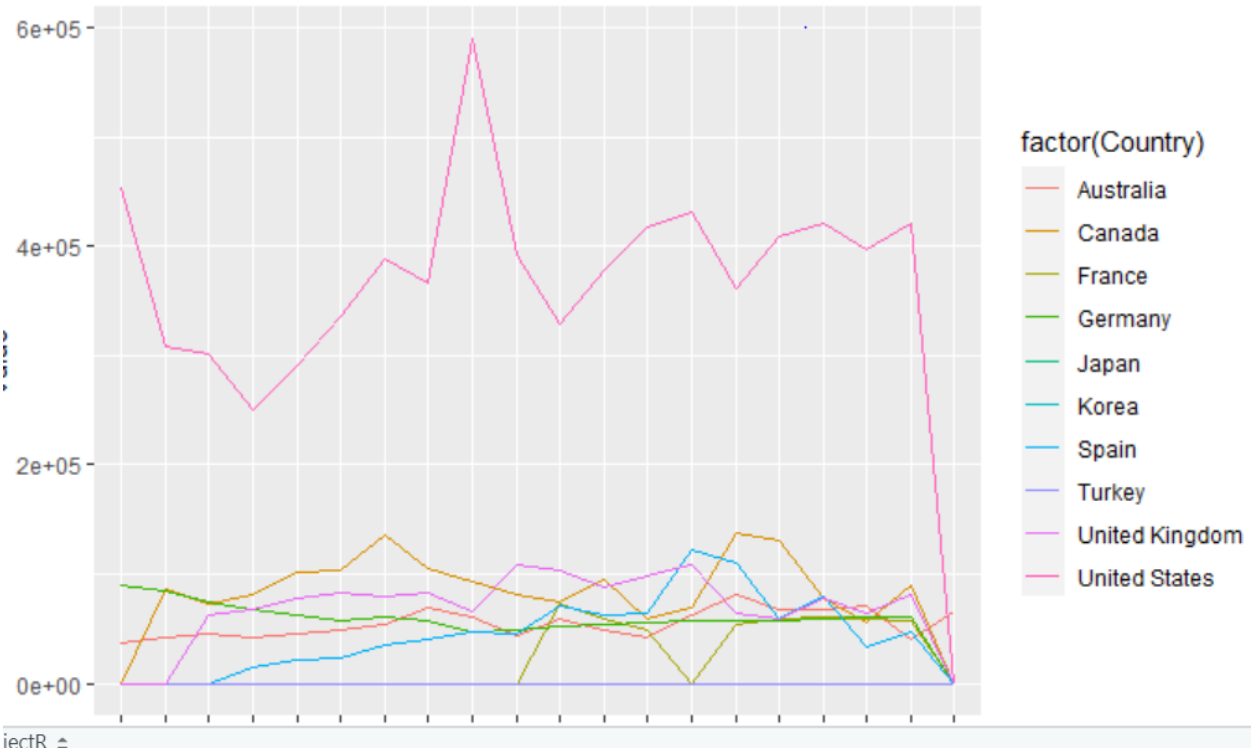
2. What all parameters/global events are affecting the migration pattern?

Recession of 2006 and 2013 havce created a decrease in migration.

3. What is the pattern of women migration across the world?



4. How are the migration trend in the big 10 nations(from the data set) emerging its pattern?


6e+05
4e+05
2e+05
0e+00
factor(Country)
Australia
Canada
France
Germany
Japan
Korea
Spain
Turkey
United Kingdom
United States