



Capstone Project 2: Analysis of International Students in Canada

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Introduction

Canada is a popular destination for students around the world seeking educational opportunities. The country's high-quality education system has produced many skilled graduates, innovators, and leaders in various industries globally. In this article, we will explore the data on international students from 2015 to 2023 (Part 1) from Kaggle, aiming to gain insights that can help educational institutions and policymakers prepare for future demand and allocate resources effectively.

Purpose of Analysis

International students in Canada make up a significant portion of the country's temporary residents. This analysis aims to explore and understand the experiences and contributions of international students in Canada. We aim to highlight their economic, cultural, and educational impacts on the country. This report will also provide information on numerical figures related to these students, such as settlement counts by province, popular programs, gender distribution, and most importantly, their countries of origin. This is part 1 of the data on international students in Canada, and it has limited data points. By examining these aspects, we hope to provide insights that can inform policy improvements and support services to enhance the overall experience of international students in Canada.

The Key questions on the data?

We identified briefly some predefined set of questions we can explore at a glance at the data helping us creatively curate meaningful insights and revelations. A few examples of these questions are what we have below.

The Questions on the Data:

1. How many international students are currently studying in Canada, and what are their countries of origin?
2. What are the most popular programs of study among international students in Canada?
3. Where are international students settling the most in Canada?
4. What is the enrollment Growth Rate?
5. What is the Gender Distribution of International Students in Canada?
6. Demographic Distribution - Where are most students coming from (i.e. country)?
7. And many more.

Metrics and KPIs Introduced for Analysis

In the "Metrics and KPIs Introduced for Analysis" section of this article report on International students in Canada, we've delved into key metrics and KPIs to gain valuable insights. These metrics will help in identifying certain trends and characteristics of our Subject- International Students in Canada to enable us to explore meaningful insights post-completion of our analysis.

Some of the highlighted metrics for this analysis have been identified below:

1. Enrollment trends.
2. Program Distribution.
3. Demographic Distribution (Age, Sex, and maybe field of study).
4. Total Number of International Students.
5. History
6. Geographical distribution (province, cities, etc).

By examining metrics like enrollment trends, geographical distribution, history, and program distribution indicators, we aim to paint a comprehensive picture of the international student landscape in Canada. These metrics serve as our compass in understanding the challenges and behaviors of one of the largest groups of Canada's population.

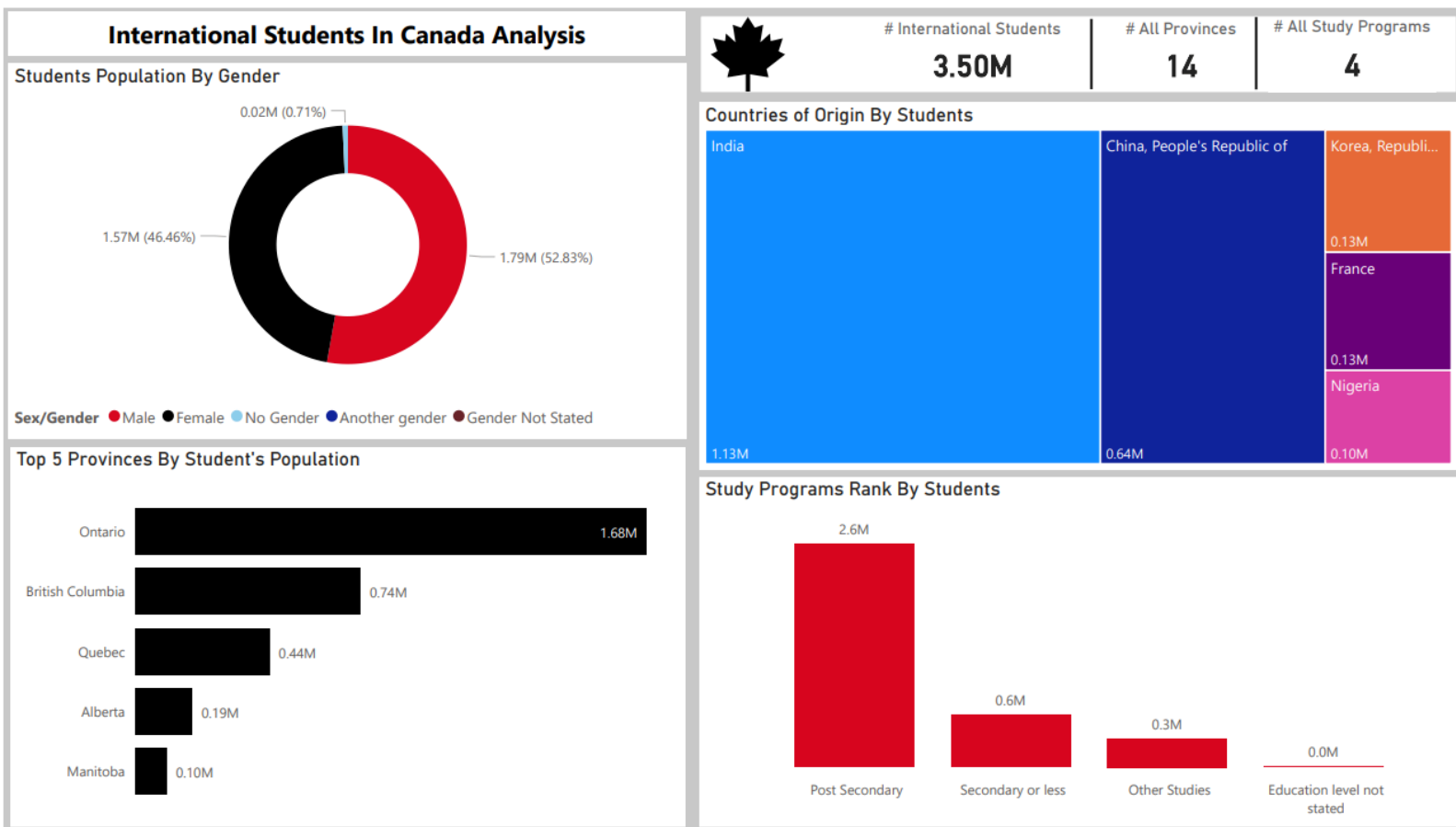
Analysis

In this section, we reviewed the rich data set on International students in Canada to uncover insights or revelations that we believe will be beneficial to our subjects - "International Students" living In Canada or planning to make Canada their next destination, the policy makers (Government) and educational institutions (DLIs) to help all understand historical trends and be able to anticipate future demand, allocate resources and plan accordingly.



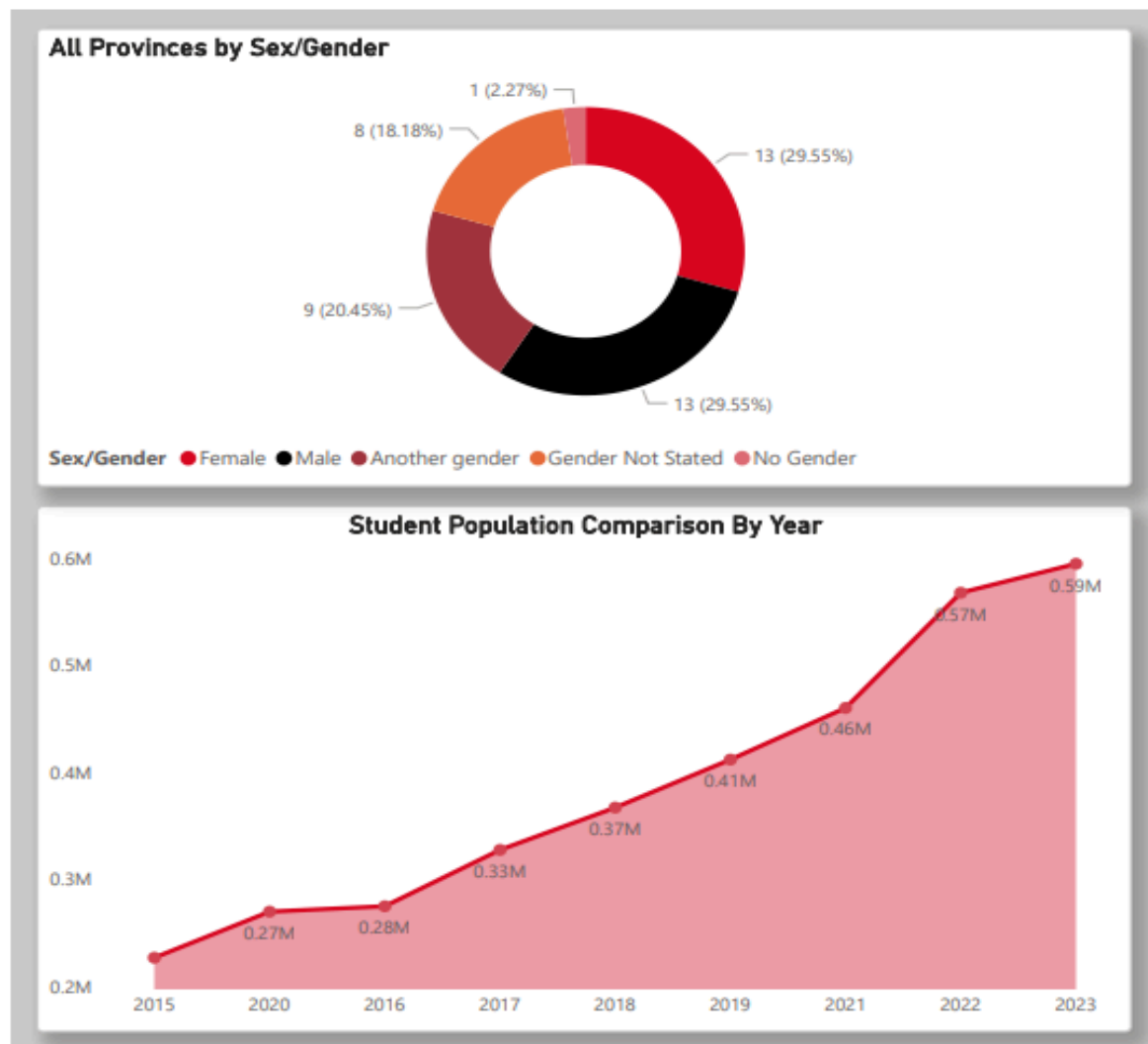
Through careful examination and interpretation, we uncover fascinating trends and patterns illuminating international students' journeys in Canada. From understanding enrollment fluctuations to exploring the level of diverse cultural backgrounds, geographical distribution, and many more, our analysis sheds light on the unique patterns and trends of this vibrant community.

Dashboard/Report Presentation



Just a friendly reminder, this is the first part of the dataset on international students in Canada from 2015 to 2023. This data doesn't include information about fees, specific courses or programs, or details about educational institutions. It primarily focuses on the countries of origin of the students, their distribution within Canada (such as by province and gender), and the number of students for each year mentioned.

We will be presenting the second part of our report shortly.



Insights From Analysis

International students in Canada make up a significant portion of the country's population. We will address the key questions we have identified and provide concrete insights from this analysis for all

stakeholders (including future students, policymakers, and educational institutions) to help improve their decision-making in the future.

Let's delve into the question-and-answer aspect of our analysis:

A. How many international students are currently studying in Canada?

Our analysis of international student data in Canada from 2015 to 2023 reveals that the current student population in Canada as of 2023 is 3,502,910. This diverse community ultimately becomes valuable resource groups for both Canada and their home countries. The quality educational system in Canada has equipped them to become productive members of society, creating a ripple effect of positive impact.

B. What are the most popular fields or programs of study among international students in Canada?

Post-secondary education programs are favored by students more than secondary education programs. We believe that students' program preferences are influenced by factors such as return on investment (ROI), exit benefits, and other considerations. This information could be useful for prospective students when planning their studies in Canada.

C. Where are international students settling the most in Canada?

According to our analysis, the majority of international students studying in Canada are choosing to live in Ontario, British Columbia, and Quebec. These provinces are home to well-known universities, diverse multicultural communities, and strong job markets, which makes them highly appealing destinations for students from all over the world. It's easy to see why these three provinces are top choices for this vibrant community. Our analysis indicates that over 1.68 million students currently reside in Ontario, while over 700 thousand live in British Columbia, and close to 500 thousand in Quebec.

D. What is the enrollment Growth Rate?

From 2015 to 2023, there has been a consistent rise in the number of international students enrolling in Canada. This increase demonstrates the country's attractiveness as a leading education hub, driven by its reputable institutions and inclusive atmosphere. The upward trajectory emphasizes the significance of providing support for this varied student community. From having an enrollment rate of 227,340 students in 2015 and recently 594,670 enrollment records in 2023, this community has witnessed a 100 % growth rate in enrollment records. Again, the upward trend underscores the importance of supporting this diverse student population.

E. What is the Gender Distribution of International Students in Canada?

Our analysis shows that the gender distribution among international students in Canada is fairly balanced, with a slight majority of male students. This balance reflects the diverse appeal of Canadian education to all genders and highlights the inclusivity of the country's academic environment. As of 2023, there are 1,789,640 male students and 1,573,680 female students residing in Canada, based on our data.

F. Demographic Distribution - Where are most students coming from (i.e. country)?

Canada continues to be a popular choice for people looking to emigrate or relocate for various reasons, especially for students seeking educational or career opportunities. Our analysis shows that the majority of international students in Canada come from India (over 1.13 million, accounting for over 40% of the population), followed closely by China (with over 600 thousand) and South Korea (with over 130 thousand). These countries have a strong tradition of valuing overseas education, and Canada's welcoming policies and quality institutions make it a top choice for students from these regions.

Conclusion

International students play a crucial role in Canada's educational and societal landscape. Canada has seen significant growth in international student enrollment from 2015 to 2023, solidifying its status as a top destination for higher education. These students, mainly from India, China, and South Korea, are attracted to Canada's high-quality educational institutions and diverse, inclusive environment. Ontario, British Columbia, and Quebec are the top provinces where international students settle, drawn by prestigious universities and vibrant multicultural communities. The gender distribution is relatively balanced, indicating that Canadian education appeals to people of all genders.

Recommendations:

Enhanced Support Services: Educational institutions should enhance support services, including mental health resources, career counseling, and cultural integration programs, to better meet the unique needs of international students.

Policy Refinement: Policymakers should consistently assess and improve visa, work permit, and residency policies to ensure that Canada remains an appealing and supportive destination for international students. By grasping these insights, stakeholders can more effectively anticipate future demands and allocate resources, thereby ensuring that Canada remains a top choice for students worldwide.