Data Exploration through Tableau

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In this assignment I used Tableau to analyze the Nonimmigrant Visa Statistics provided by the US Bureau of Consular Affairs. The data can be found in:
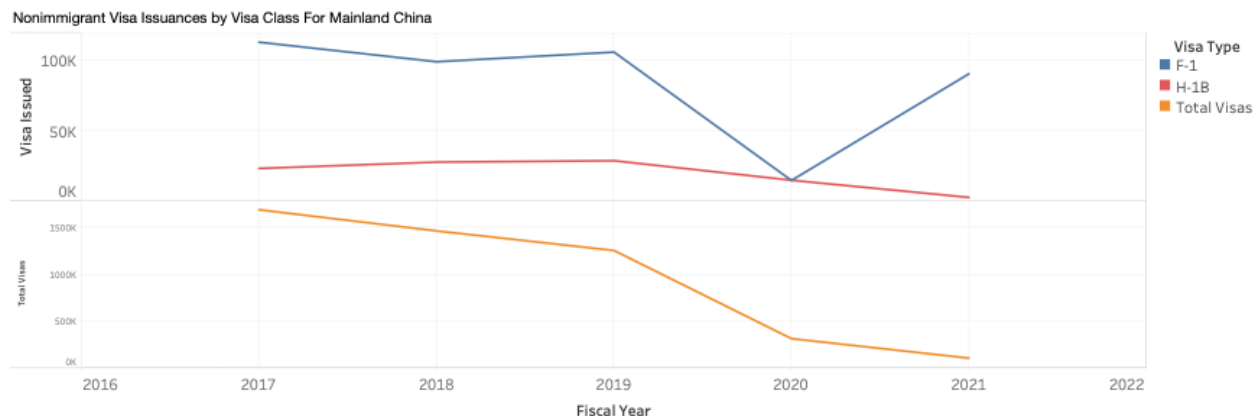https://travel.state.gov/content/travel/en/legal/visa-law0/visa-statistics/nonimmigrant-visa-statistics.html
The data source is part of the data sources in "Awesome Public Datasets", under "Government" category:
https://github.com/awesomedata/awesome-public-datasets
I limited the scale of data to visas issued to people from Mainland China / India only. I also limited the time range to Fiscal Year 2017-2021.

First visualization is line chart of several study-related visa issued to Chinese from Mainland China versus time:
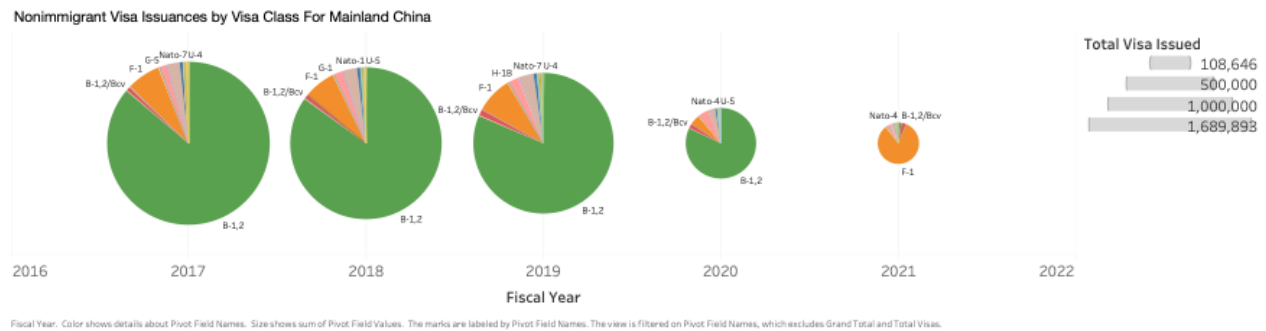

Findings I got from this portion of data:
- Total visas issued to Chinese from Mainland China dramatically decreased after 2019, which was mainly caused by Covid policy.
- Although the number of F1(Student) visas dropped in 2019, it quickly recovered in 2021 when the new student visa policy came out and many students came back to the US.
- The same trend of recovery was not found in H1B visas (Specialty Occupations / Temporary Worker), which would probably be caused by the lack of job opportunity during the Covid period.
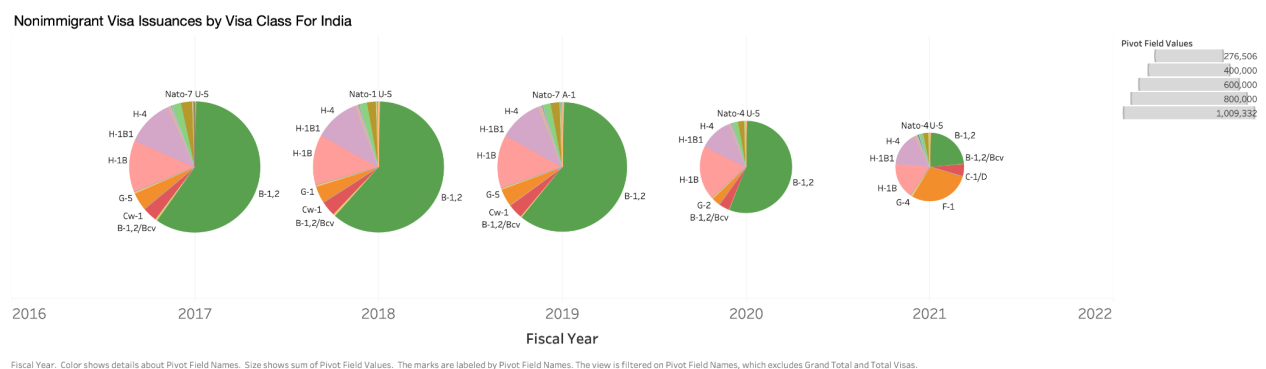
Second visualization is pie chart of all types of visas issued to Chinese from Mainland China versus time:

Nonimmigrant Visa Issuances by Visa Class For Mainland China

Fiscal Year. Color shows details about Pivot Field Names. Size shows sum of Pivot Field Values. The marks are labeled by Pivot Field Names. The view is filtered on Pivot Field Names, which excludes Grand Total and Total Visas.

Findings I got from this portion of data:
- B-1,2 visas (Business/Travel) had always been the major type of visa issued to Chinese from Mainland China before 2021. However, there was nearly no B-1,2 visa issued in 2021, which was the main reason for the drop of total visa issued from 2020 to 2021. This was probably caused by the travel ban issued in late 2020.

Third visualization is pie chart of all types of visas issued to Indian versus time:

Nonimmigrant Visa Issuances by Visa Class For India

Fiscal Year. Color shows details about Pivot Field Names. Size shows sum of Pivot Field Values. The marks are labeled by Pivot Field Names. The view is filtered on Pivot Field Names, which excludes Grand Total and Total Visas.

Findings I got from this portion of data:
- Number of H-4 (spouses and unmarried children under 21 of H1B holder) visa issued to Indians is closer to the number of H1B visas. The same thing doesn't occur to Chinese from Mainland China. The difference might be caused by differences in the cultures of two countries.
- There is still a large amount of B1 visas issued to Indians even during 2021, which shows that the travel ban between India and the US is not as strict as that between Mainland China and the US.