

Analysis on Nobel Prize Distribution

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Background on Nobel Laureates

-Prestigious International Awards



- Founded in 1895 by Swedish Chemist Alfred Nobel who invented dynamite.
- Awarded to: Individuals and organizations whose work has significantly contributed to humanity's progress and well-being.
- Categories awarded in : Physics, Chemistry, Medicine, Literature, Peace and Economic Sciences.
- Institutions conferring these awards:
 - The Royal Swedish Academy of Sciences - Physics, Chemistry and Economic Sciences
 - The Nobel Assembly at Karolinska Institution- Physiology or Medicine
 - The Swedish Academy- Literature
 - A Norwegian Nobel Committee- Peace.

Objective

- To explore the distribution of laureates across the globe and while targeting colleges from the US that top the list.

Target Audience

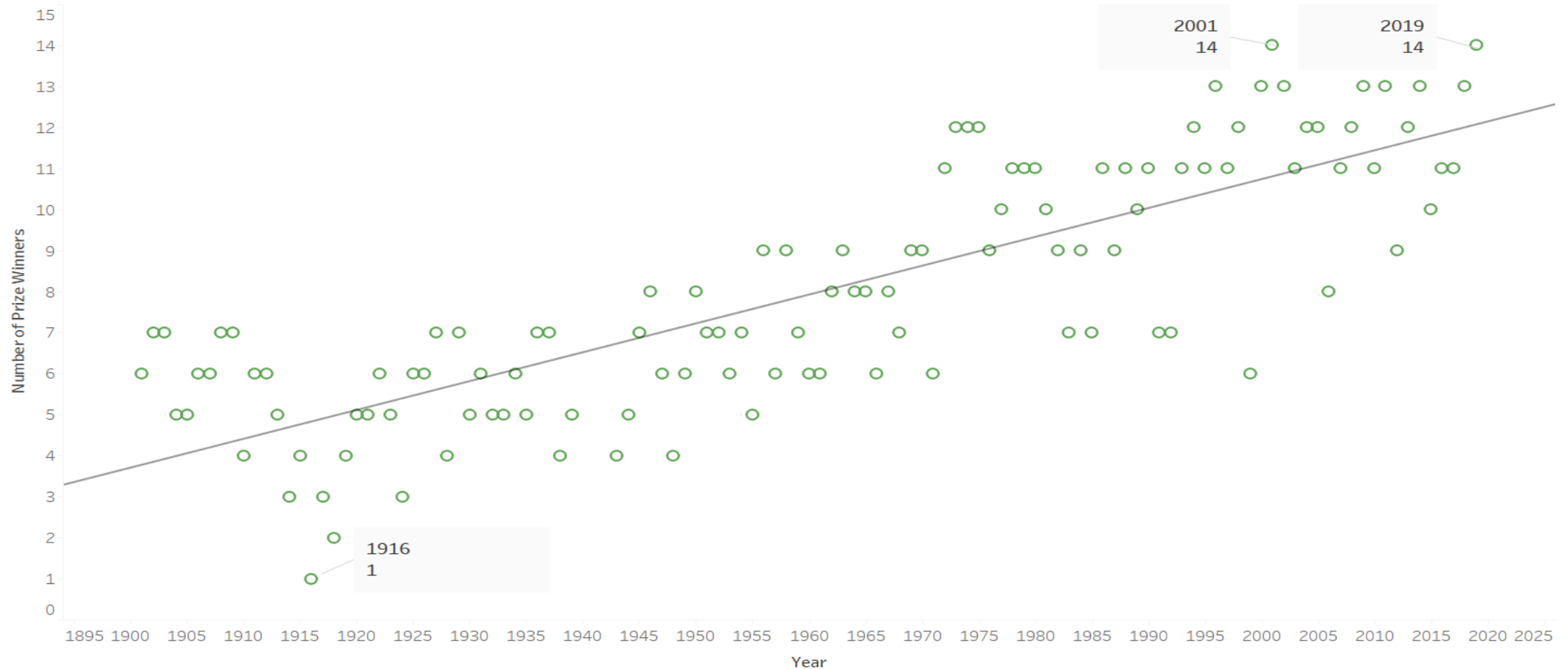
- Highly Ambitious students.
- Researchers.
- Policy makers, and general public interested in knowing more about these laureates.
- Lastly, definitely not on a lighter note, some of us from this class who are highly ambitious academically.

Data Set

- Source:
<https://www.kaggle.com/datasets/bahramjananesarr/nobel-prize-from-1901-till-2020>
- Dimensions: 932 rows and 14 columns
- Data Range: from 1901 to 2019
- Columns Used for the analysis: Year ,Category Born_Country, Name_of_university , Country_of_university.
- Data cleaning : About 25 % are null values. replaced with No University, No University Country, No university City.

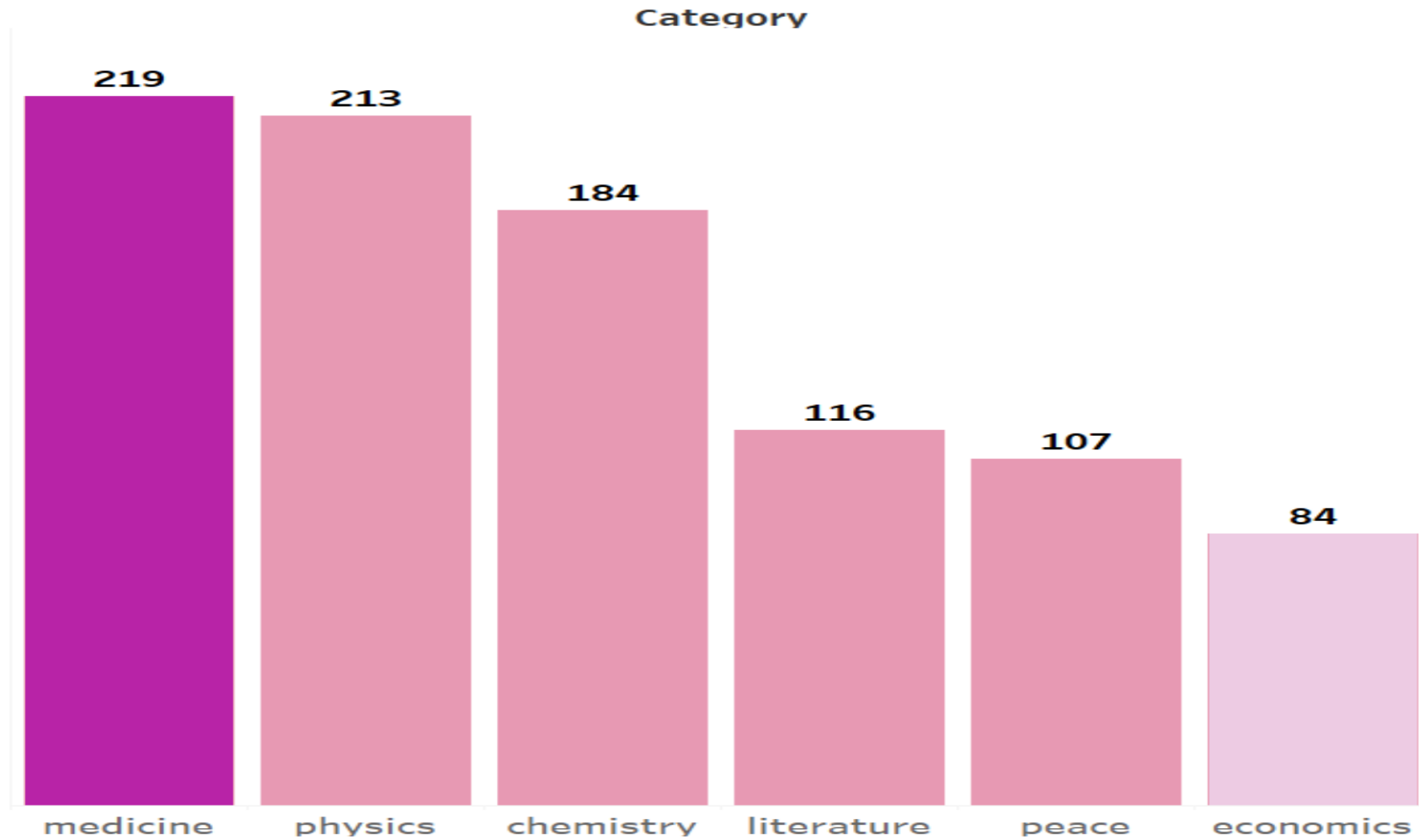
“Unveiling Excellence”: A Visual Journey Through Nobel Prize Contributions

Distribution of Laureates around the world over time:

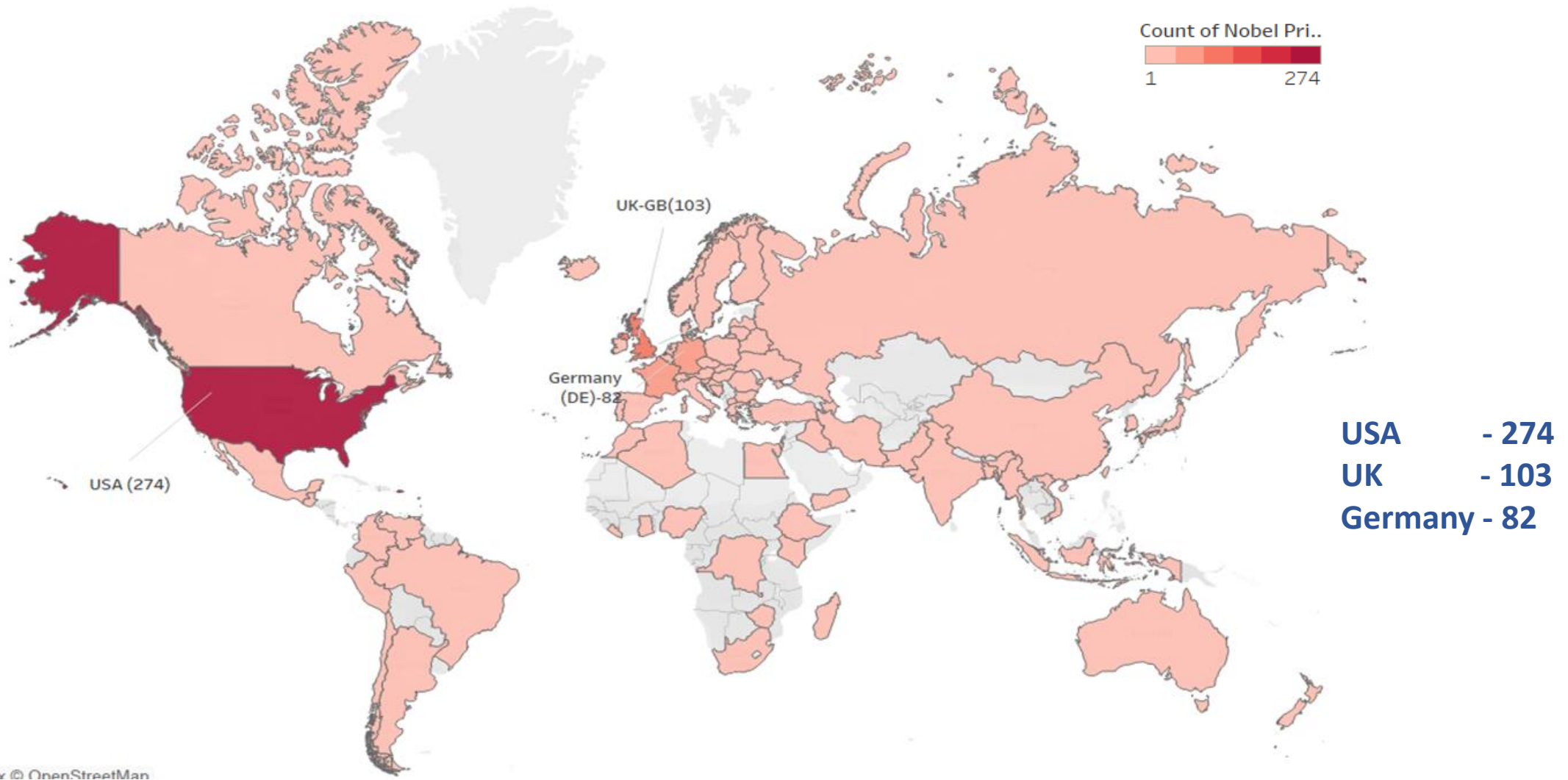


The plot of count of Nobel Prize data set1 for Year.

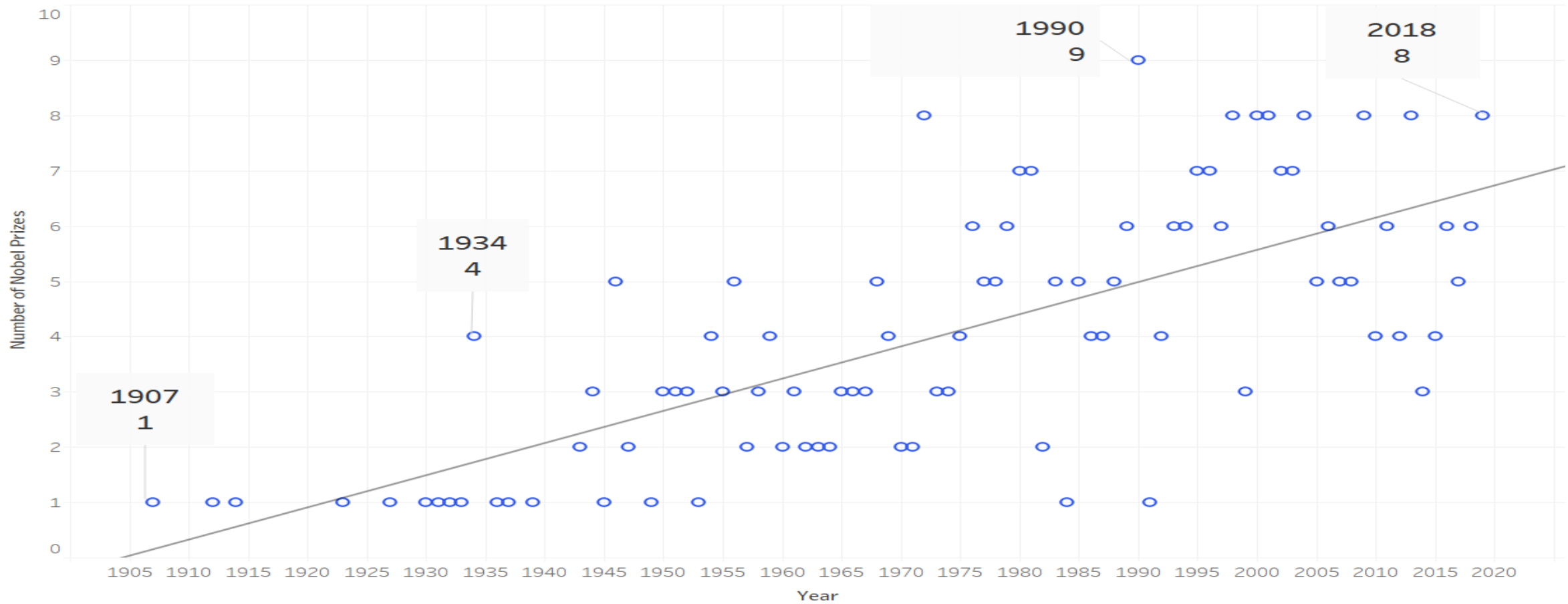
Category-wise Distribution



Countries and Ranks

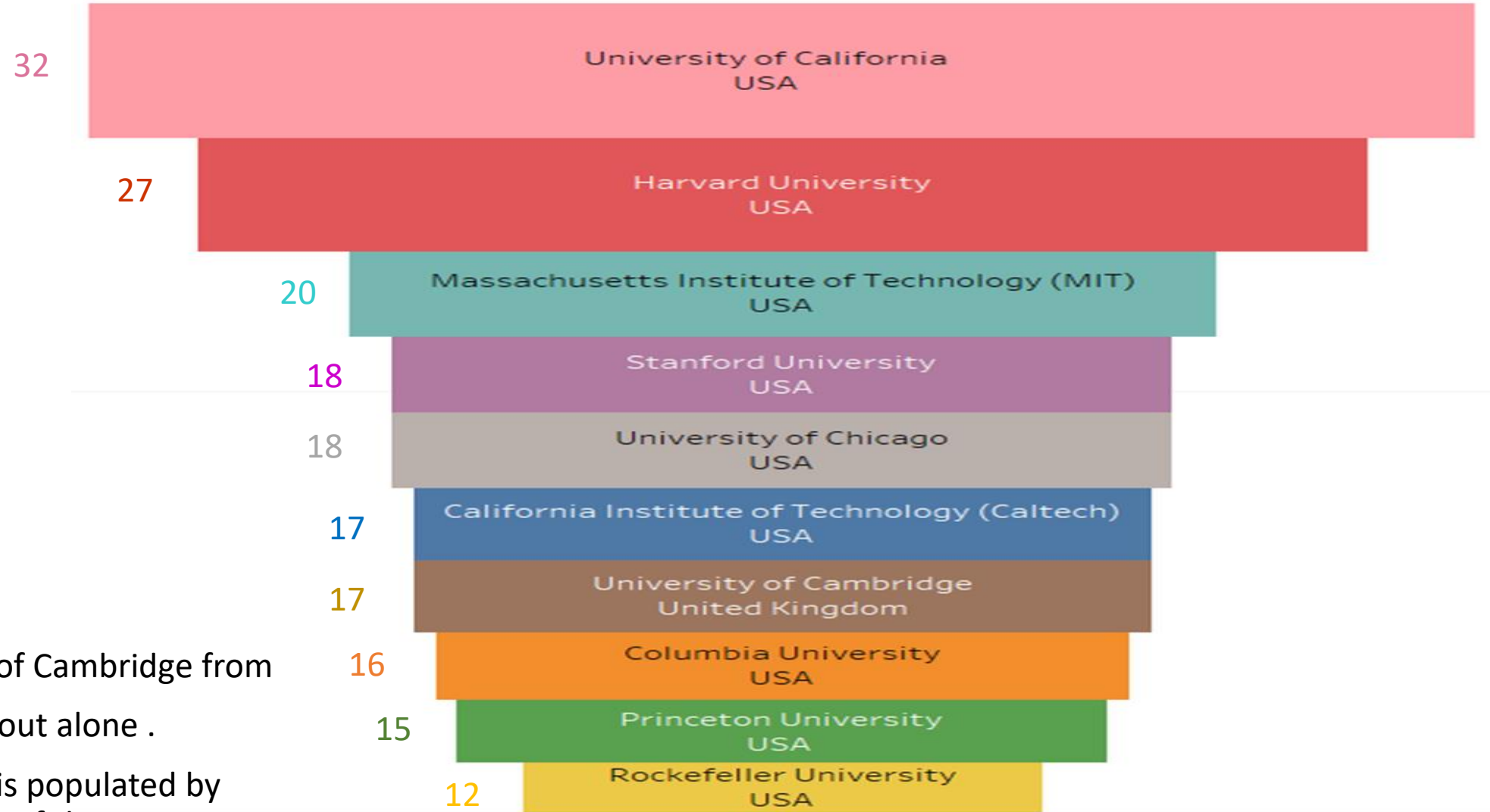


US's trend over Time



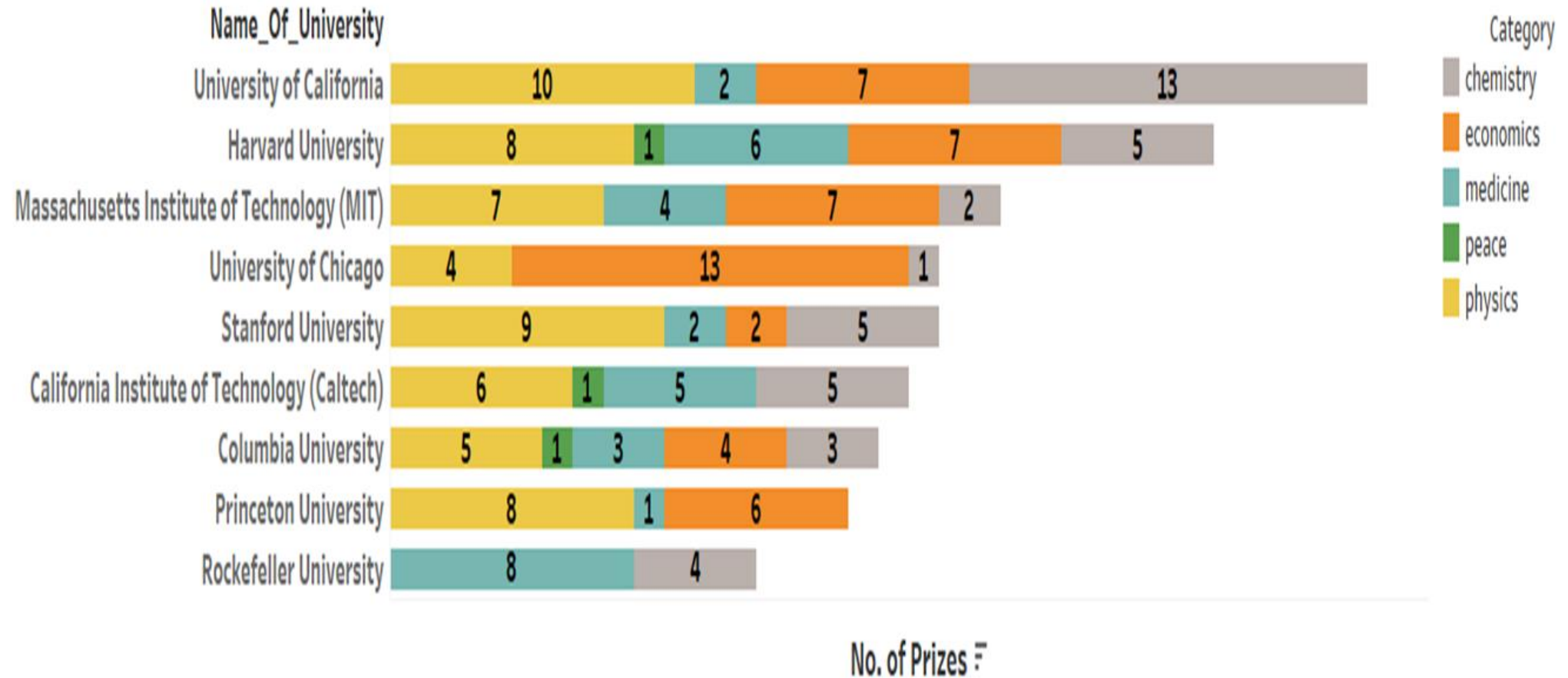
The plot of count of Nobel Prize data set1 for Year. The data is filtered on Calculation1, which keeps USA.

Top World Colleges



- University of Cambridge from UK stands out alone .
- Top 10 list is populated by universities of the US.

US's Pride-The most Renowned Schools that mark the excellence



Limitations

- The columns used in this analysis have about 25 % of null values posed a hindrance to the analysis in the categories Literature and Peace. Improved data collection could address these gaps.

This journey to the excellence may be continued by those interested to further delve deeper into the insights.

For Example : The Analysis could be taken up based on the highest number of laureates awarded in each of the six categories.

The link to the basic version is here: