



DATA VISUALISATION PRESENTATION

PRESENTED BY
The storytellers

OBJECTIVES

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The World's University Rankings Dataset

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Thought process behind the visualisations

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THE WORLD'S UNIVERSITY RANKING DATASET

- The World University Rankings provide the definitive list of the world's best universities.
- We explored the dataset and realized the potential for uncovering insights about the global higher education landscape.
- We merged the dataset from 2011-2021, to work with.
- We mostly worked with the scores_research, scores_teaching, and scores_overall columns.

THOUGHT PROCESS BEHIND THE VISUALISATION

We decided to make our visualisation story simple and easy to understand, just by glancing at the various charts we produced.

Scope of the data visualisation

We saw fit to use the `scores_research`, `scores_teaching`, and `scores_overall` columns to make our analysis.

Visualisation Questions

We created most of our visuals by answering simple questions we came up with when analysing the dataset. These questions aided in forming our story. Such as:

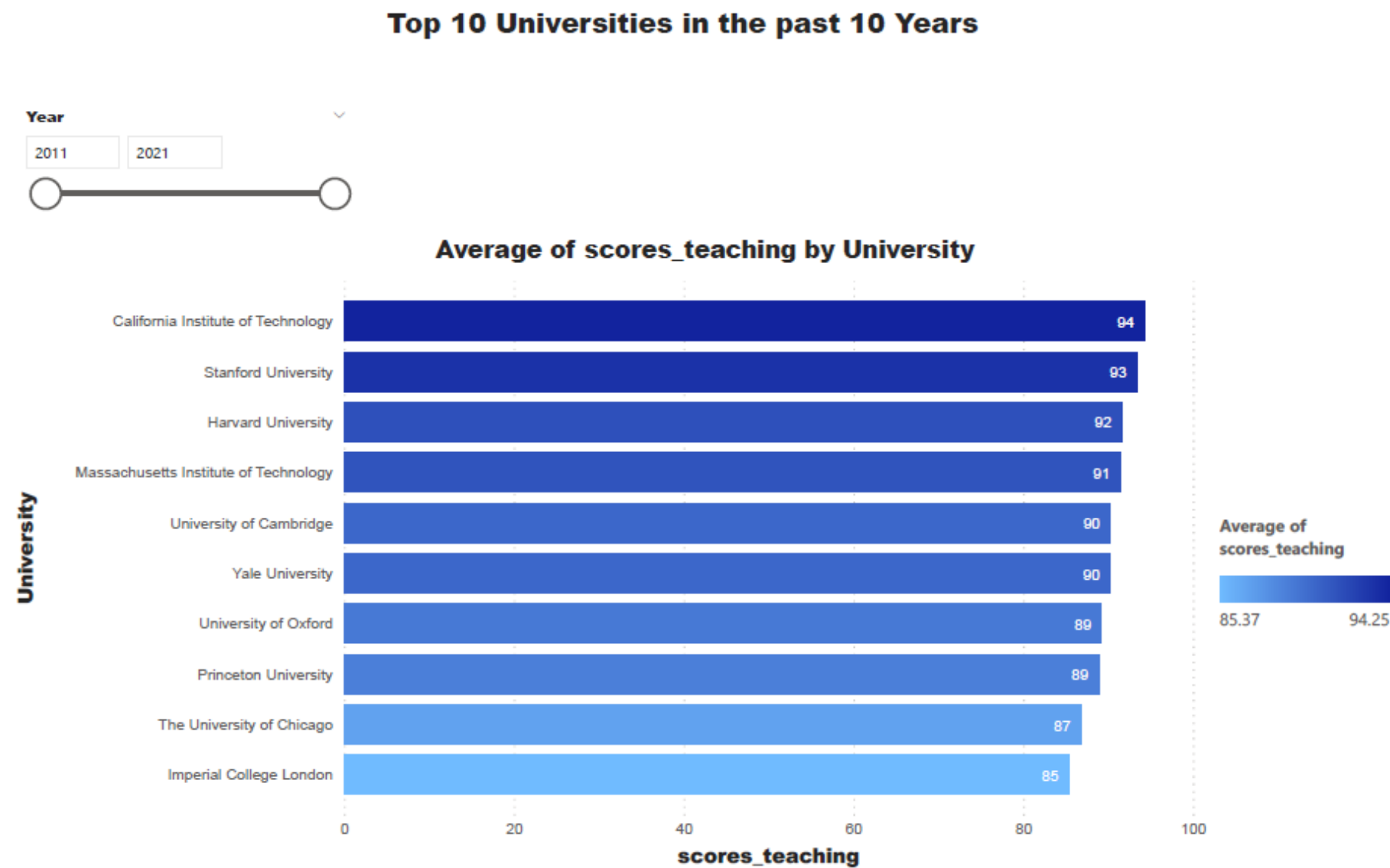
- What are the top 15 universities in the world?
- What are the top universities in my country or in country x?
- What is the ranking trend over top 5 universities over the years?

DATA VISUALISATIONS

In the subsequent slides, we'll go over some visualisations and briefly explain them. And more of our charts will be showcased on our Power Bi file and Jupyter notebook file.

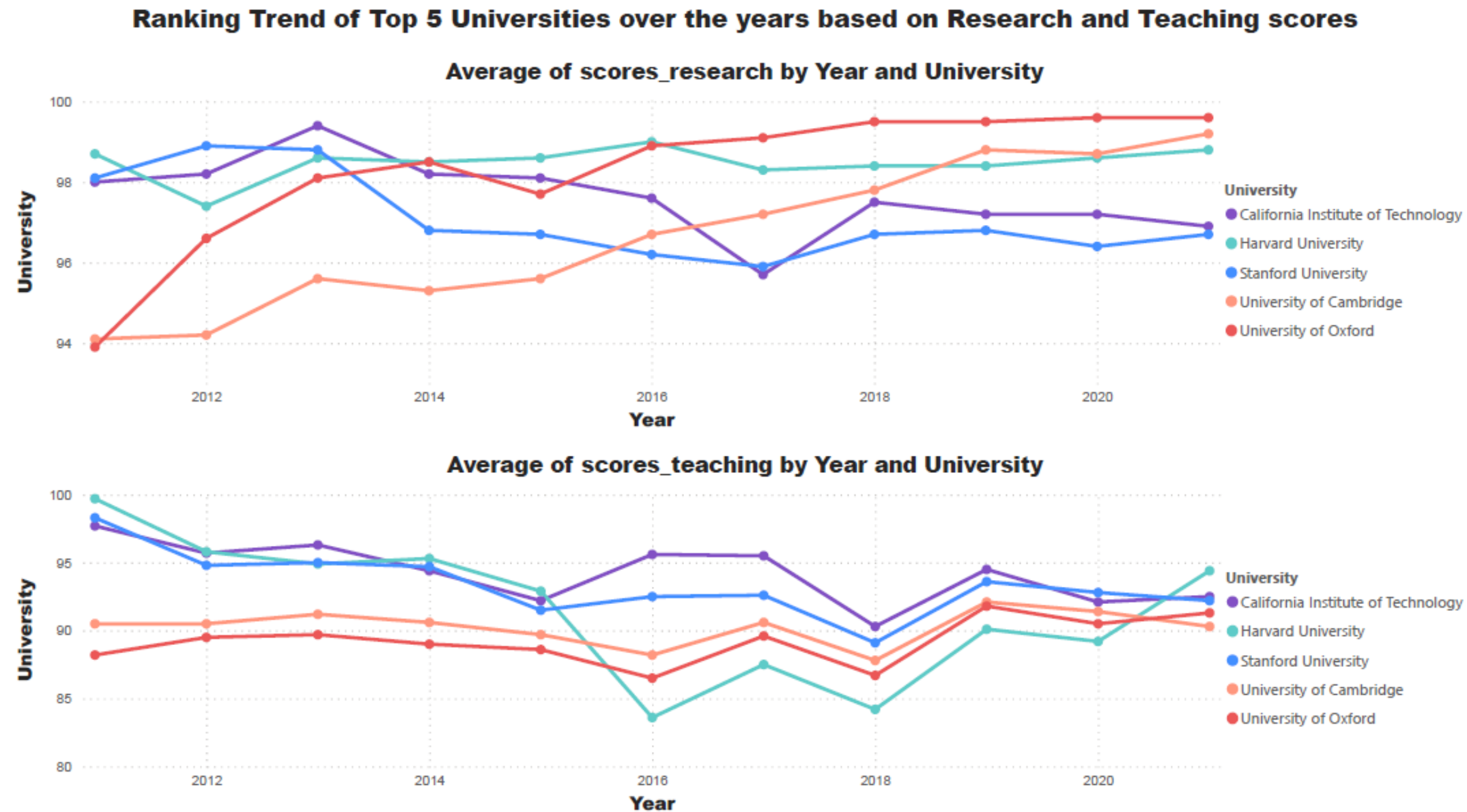
Top 10 University Analysis

We derived the visualisation based on the average teaching scores by university. From the bar chart we can see the top 10 universities over the 10 year period are mostly from Europe and America.



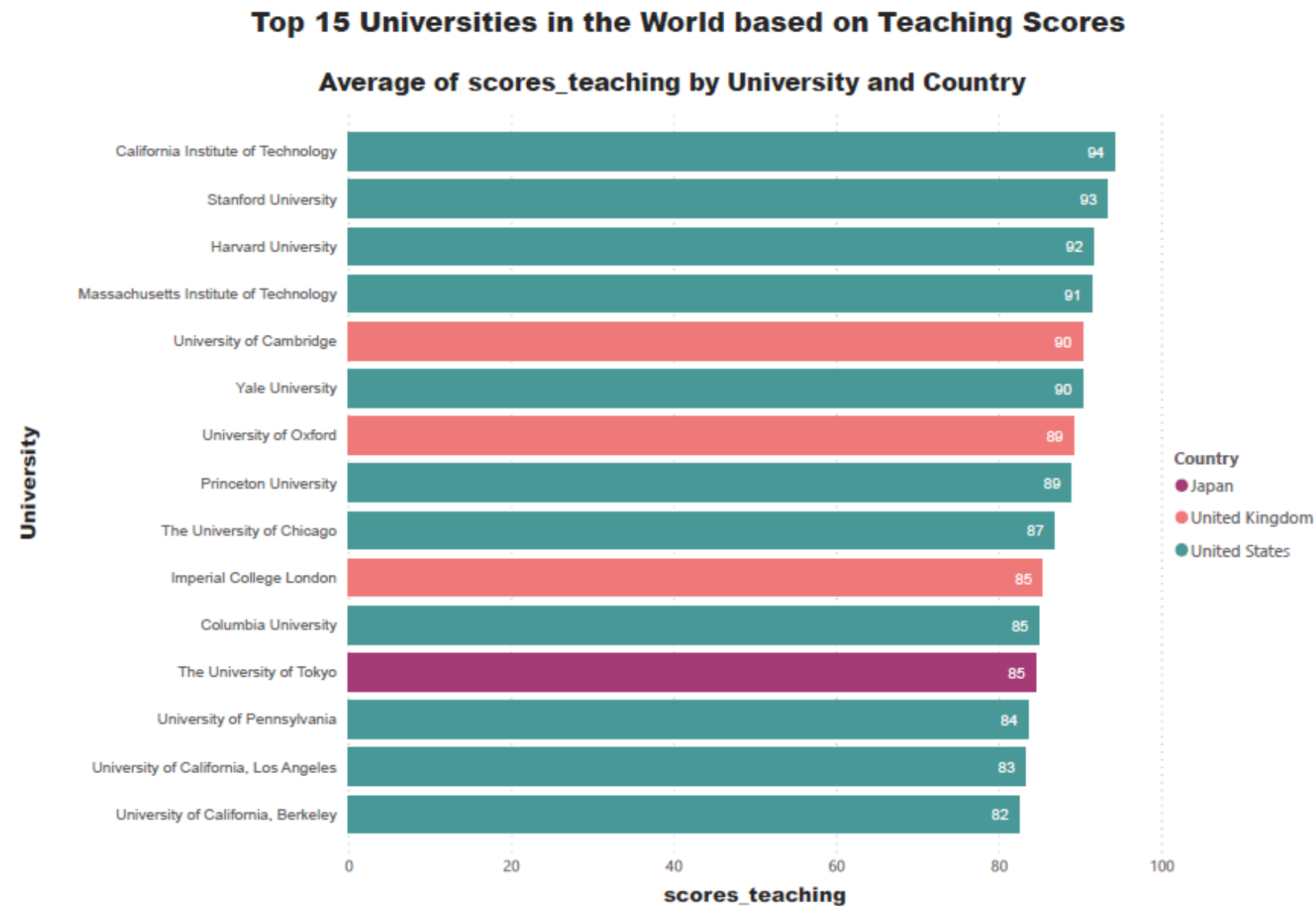
Ranking trend of Top 5 University Analysis

We analysed different rank trends of the top 5 universities based on research score and teaching score over the years, and from the line graph we can see how the trend varied over the years per university.



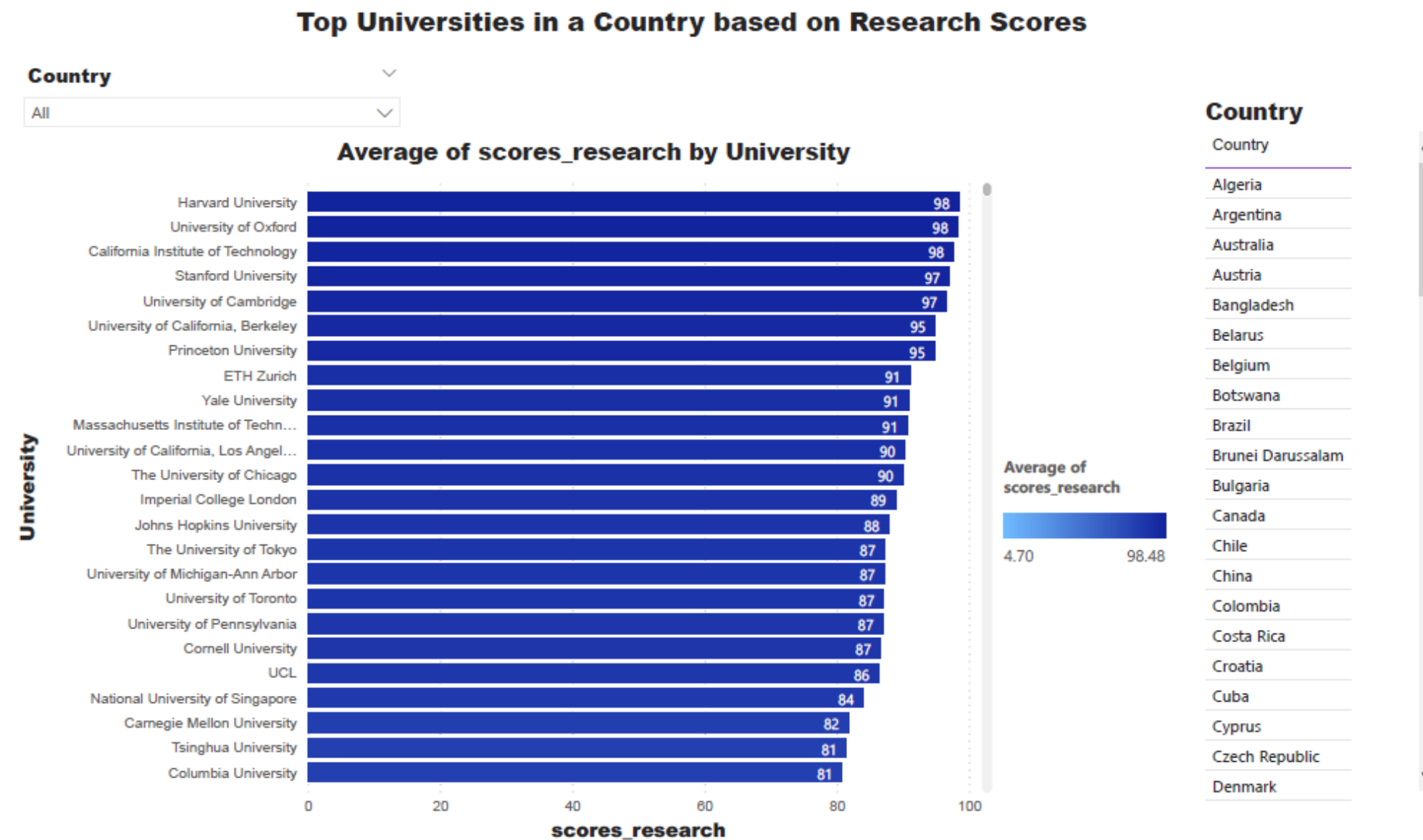
Top 15 Universities in the World

We were curious to know what the top 15 universities in the world to study are in, so we created the visualisation. From the stacked bar chart we can again see most of these universities are located in the USA and UK, and only one from Japan.



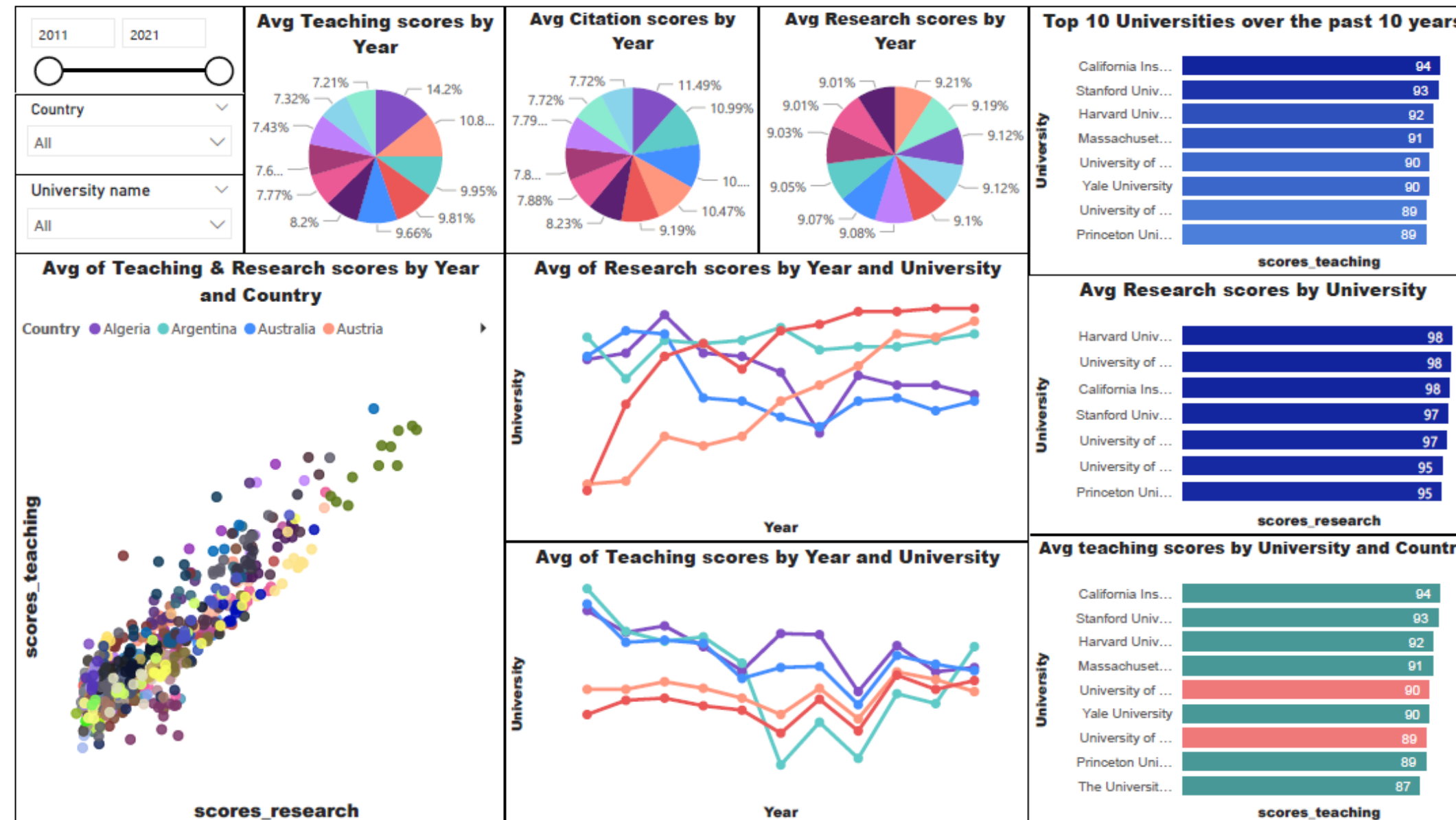
Top Universities in a Country

We created this visualisation, with the aim to find the top universities in a specific country. With the slicer, you select a country from the dropdown list, and it'll give a list of the universities based on the average research scores.



Dashboard of University Rankings

With the dashboard we aim to present the World University Ranking dataset in a clear and visually appealing way, while also providing insights and context that are meaningful. The dashboard summarizes our visualisation story, and how we worked with the dataset.





CONCLUSION

- Our main goal with this data story was to provide insights into the trends and rankings of various universities across the world.
- We explored the dataset mostly working with specific columns, to figure out if and how it affected the ranking of universities.
- We managed to prove that it does affect the ranking, as we saw from the visualisations that universities with high teaching scores, research scores, and overall scores, are highly ranked in the dataset.
- We believe that our story is informative, simple to understand, and engaging.