**Rank of Top 200 Universities**

**Tableu Story Link :**

Old Version (before any feedback) : <https://public.tableau.com/profile/hussien.ali#!/vizhome/story-project/story_v1?publish=yes>

New Version (First Submission): <https://public.tableau.com/profile/hussien.ali#!/vizhome/story-project/Story1?publish=yes>

The story (Second Submission ): <https://public.tableau.com/profile/hussien.ali#!/vizhome/story-project/storyofrankofworlduniversitiesafterfirstsubmission?publish=yes>

The story (Third Submission) : <https://public.tableau.com/profile/hussien.ali#!/vizhome/story-project/storyofrankofworlduniversitiesafterfirstsubmission?publish=yes>

**Summary :**

In this project ,I will present an explanatory analysis of the rank of world universities of the dataset in Kaggle on this link <https://www.kaggle.com/mylesoneill/world-university-rankings#timesData.csv> . The basic question we are trying to answer : what factors will contribute to a high score and an advanced rank for a university ? The main finding was that the total score of a specific university (which defines the rank of the university) depends strongly on the teaching staff, the research score and the citations score (number of papers submitted in journals and conferences), the international score (outlook and reputation of the university).However, the rank of the university did not depend so much on the student to staff ratio.

**Design :**

Design depended on a good interaction with the map because this will be more interesting to the audience. Also, I made use of the different years data to make a trend for the changes in different variables. The deign depended on using different aggregations because sing average in some cases gave illogic results that's because there are some countries like Egypt which is stated once in the dataset and the average of its variables may be not very convenient compared to USA or UK which have a lot of universities in the rank . So the summation aggregation was used most of times.

The trend over years used the percentage in difference to show the difference between each year and to see the correlation more easily. The trend is interactive and one can choose a country to see how was its performance trend over years. This trend also can help to see the correlation between variables. The encoding here was colors.

I preferred not to use encodings in the teaching variable slide because the color or shape coding will be so bad because we have a lot of countries. We only want to look at the correlation between variables so using no encodings worked well.

A calculation filed was calculated which was number of international students as it would be more convenient to see at the number rather than the ratio.

**Feedback :**

The feedback I received was to make the years' filter applies also for the map in the second slide of the presentation. The year filter was applied to the all worksheets in the story .

Another feedback was to make my story longer by explaining the relation between other variables in the dataset.

So, the modification after this feedback was to add some slides to make the best use of our pretty dataset and also we wanted to avoid to put irrelevant slides that may make confusion and make the message unclear. A trend for the international variable and its effect on the total score, number of students and number of international students was added to the story.

**Tableu Story Link First Submission :**

<https://public.tableau.com/profile/hussien.ali#!/vizhome/story-project/Story1?publish=yes>

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**Tableu Story Link Third Submission :**

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