

Tableau Project

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INTRODUCTION OVERVIEW AND PURPOSE

Tableau is a data visualization tool. For this project I used this tool to create different maps, that include all countries around the world. These maps show Quantities of imports and exports over the years. The years that I have included in this project are from 2011 - 2013. I have also shown the country wise commodities that are in different countries. I have provided a map key for different countries as well. I think many things can be achieved using this map. You can see the expansion and quantity of imports and exports, increasing or decreasing around the world, and around the years. It would help many scientists and engineers. It would also help students because their curiosity is very wide and they could see how many imports and exports were on earth over these years. In this tool if we put this information, we can predict the quantity of import and exports that will be in the future, without writing a single line of code, and only using drag and drop.

LITERATURE SURVEY

This map shows the quantity of imports and exports of many countries. An existing problem is that because of the current situation, covid-19 virus has slowed down many imports and exports. My map can show the drastic change that has taken place from 2011 to 2021. I know that my map has not shown 2021 exports and imports, but we can tell that because of the global pandemic many businesses have slowed down. I think my map can be helpful to many analysts who are in charge of importing and exporting goods and services.

THEORETICAL ANALYSIS

The hardware that is required for this project includes I3, 4 gb ram, 512gb storage, however you can still use 25g gb, but 512 is recommended. The software that is needed is a data visualization tool named Tableau. Tableau is a great source where I can successfully create a great chart. After making a successful visualization, I can still add more to it, which makes this tool even more reliable.

EXPERIMENTAL INVESTIGATIONS

What I saw is that many countries are decreasing their imports and exports which shows that countries are experiencing major changes. That is when I thought that this map would help me know how many imports and exports there would be in certain countries in the future.

FLOWCHART

TABLAEU

FLOW CHART

MAPS

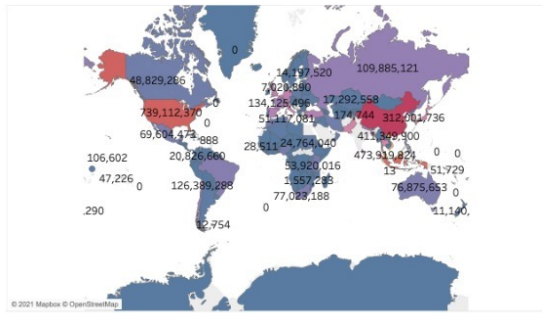
DATAVISULIZATION

Easily display, growth/decline, increase/decrease in tableau

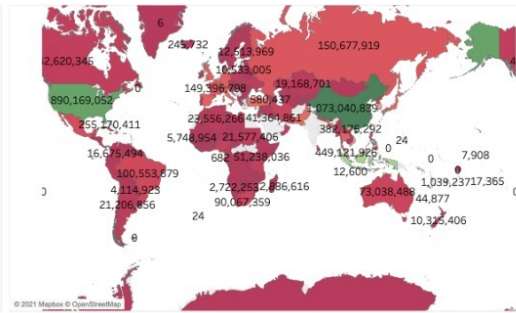
increase or decrease in exports and imports can be visualized easily by creating appropriate parameters & calculated field.

RESULTS

Quantity 2011-12



Quantities 2012-13



Quantity 2011-12

0 844M

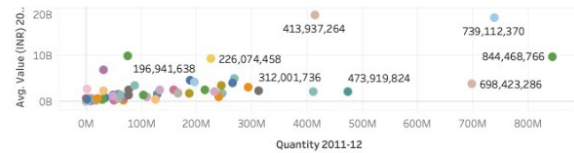
Quantity 2012-13*

0 18

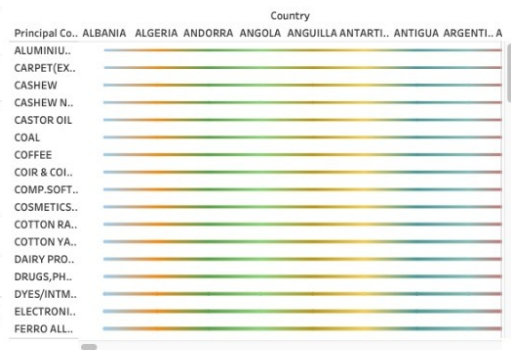
Country

- AFGHANISTAN TIS
- ALBANIA
- ALGERIA
- AMERI SAMOA
- ANDORRA
- ANGOLA
- ANGUILLA
- ANTARTICA
- ANTIGUA
- ARGENTINA
- ARMENIA
- ARUBA
- AUSTRALIA
- AUSTRIA
- AZERBAIJAN

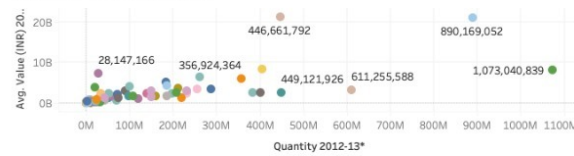
Quantity vs year 2011-12



Countrywise commodity



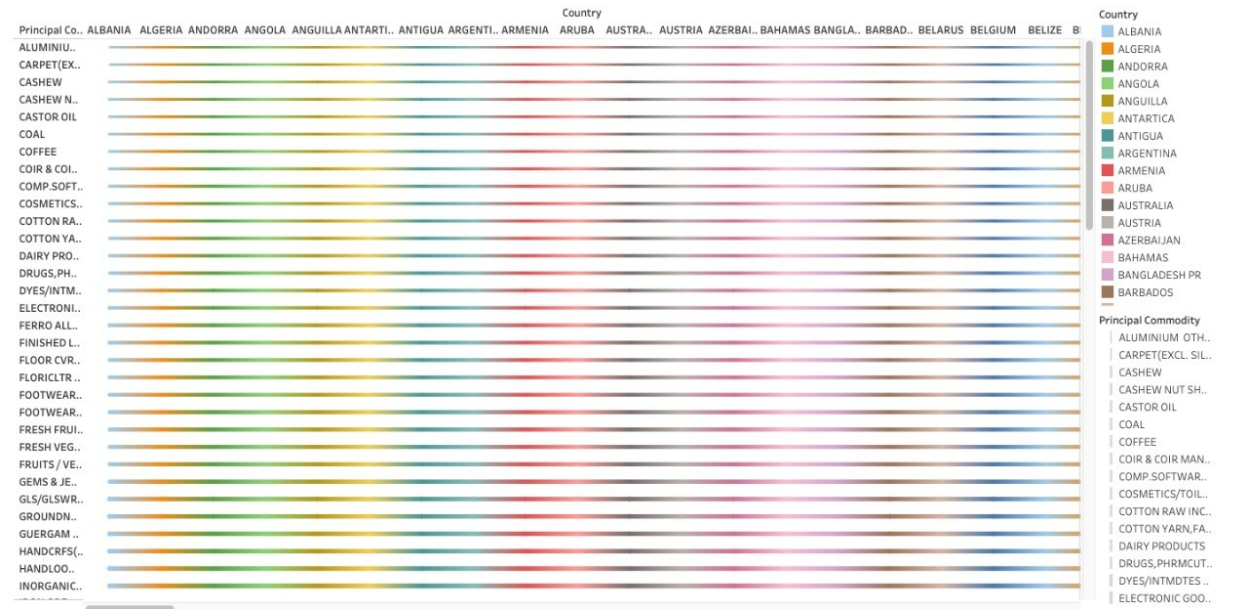
Quantity vs Year 2012-13



Quantity 2011-12 Quantities 2012-13 Quantity vs year 2011-12 Quantity vs Year 2012-13 Countrywise commodity Project Dashboard Exports

Exports

Countrywise
commodity exports



Quantity 2011-12 Quantities 2012-13 Quantity vs year 2011-12 Quantity vs Year 2012-13 Countrywise commodity Project Dashboard Exports

ADVANTAGES AND DISADVANTAGES

Some advantages of this project are that many scientists, and engineers can predict and research a lot of new findings, and this map can have a solution to a major problem or problems. Some negatives are that you can see only a short amount of time on this map, as I said before you can only see data of 2 years, from 2011-2013. I will say that, the tool that I used, Tableau can predict many more years of data, I have sampled only 2 years of that.

CONCLUSION

In conclusion, my map can help solve many import and export problems that haven't taken place and are taking place. We can use Tableau, a data visualization tool, to predict this very easily without writing a single line of code and only using drag and drop. In this map, I have used the years from 2011 - 2013, which can predict the amount of imports and exports in the upcoming years.

FUTURE SCOPE

Some enhancements we can make in the future is that we should predict more than 2 years of data, and we can also take this plan into account, and implement it in the real world. We can also graph more than just imports and exports, we can also predict the number of people or animals around the world. Tableau would be a very useful tool to predict and do many other things data related.

BIBLIOGRAPHY:

[Tableau.com](https://www.tableau.com)