

World Electricity Analysis

“A transition to clean energy is about making an investment in our future”

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Introduction

- **Problem Statements :**

- ☐ How is production of electricity across different sources.
- ☐ Find a trend, how the count of countries having more than 75% of access in rural.
- ☐ Comparison of access to electricity post 2000s in different countries.
- ☐ Define a way to present the evolution of nuclear power presence grouped by Region and Income group.

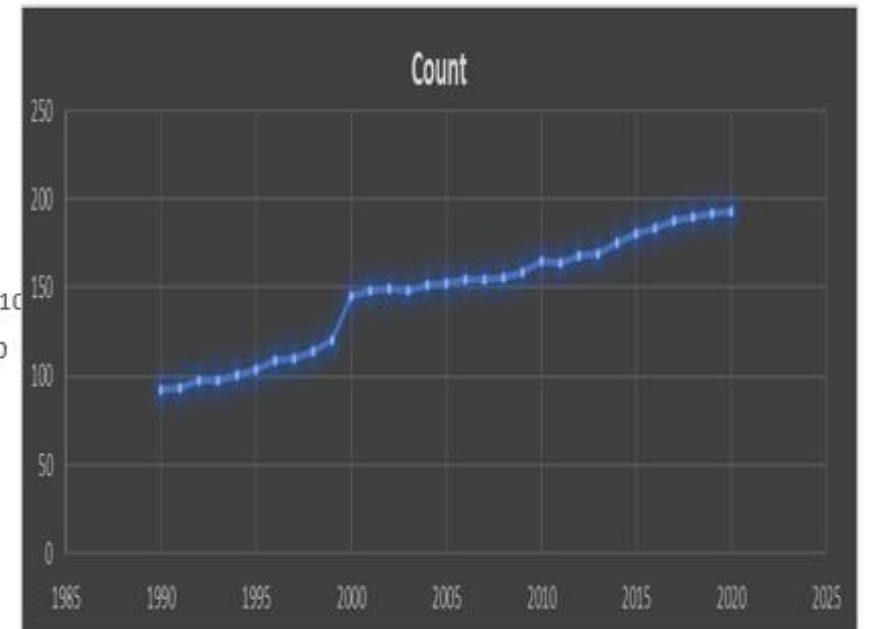
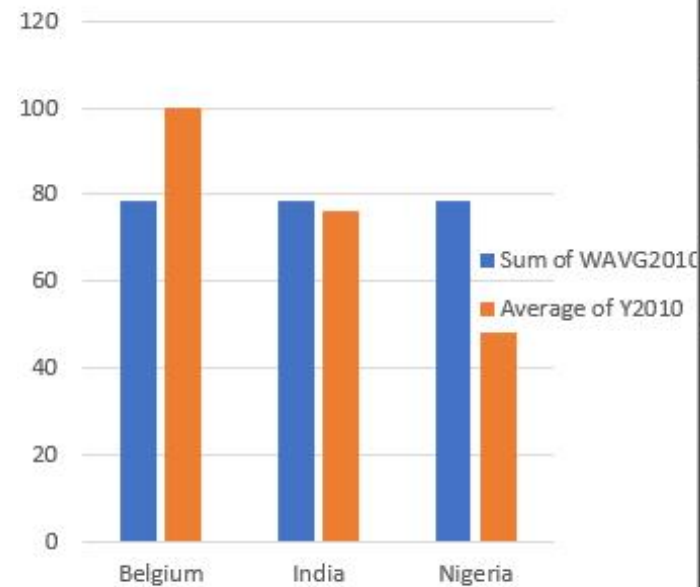
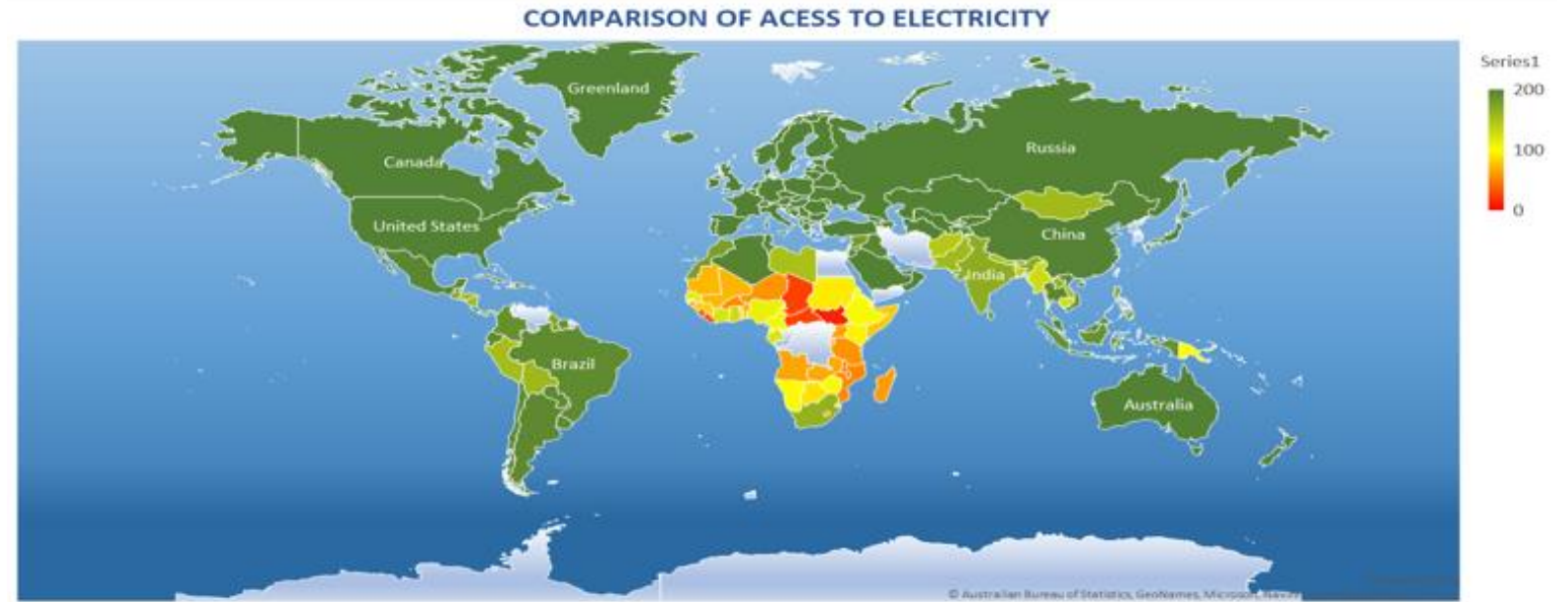


Strategy:

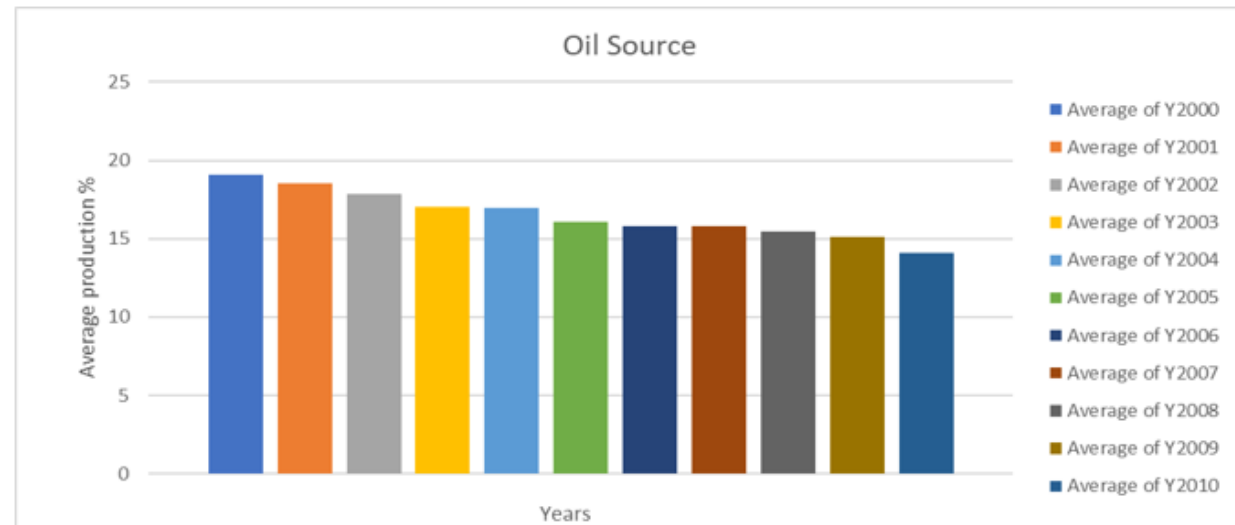
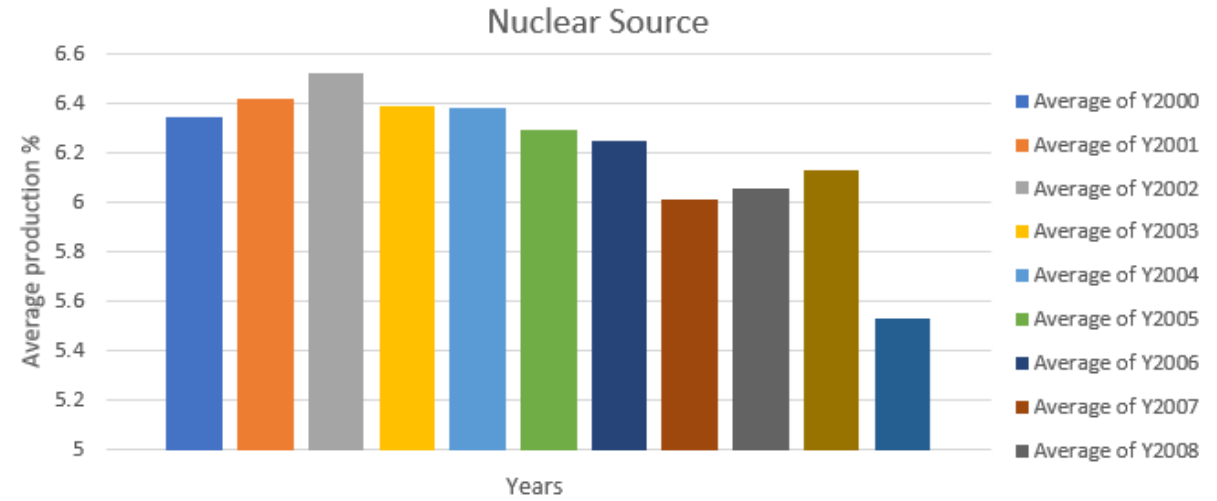
- ☐ We discussed the strengths of teammates & distributed the work accordingly.
- ☐ We distributed the tasks on daily basis.
- ☐ We brainstormed the problem statements together.
- ☐ Ensure effective communication within the team.



Problem Explanation

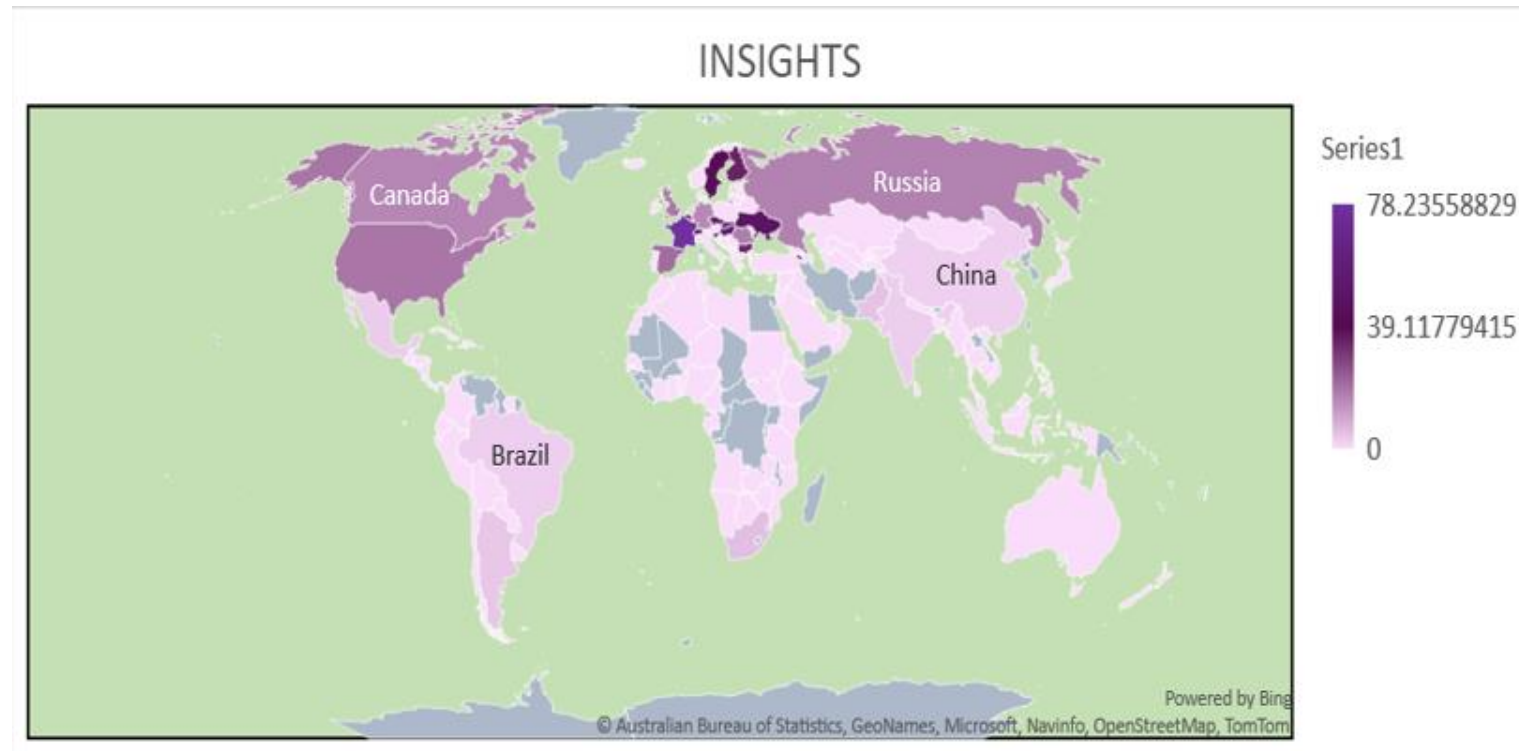


Problem Explanation

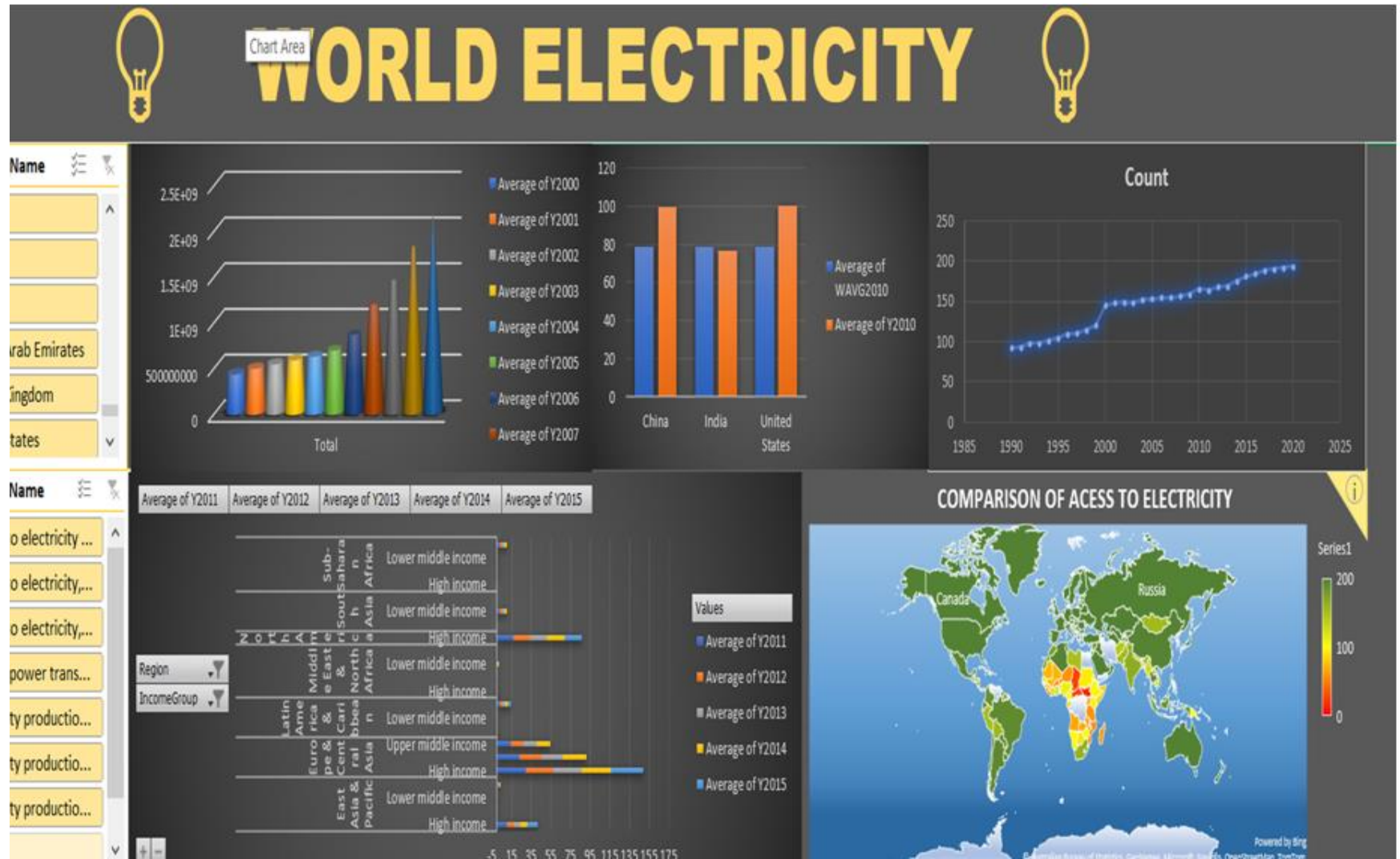


INSIGHTS

Only 25% countries have the nuclear electricity generation capacity.



DASHBOARD



CHALLENGES

- Technical :
 - ❖ Incomplete and inconsistent data.
 - ❖ Difficulty during performing aggregation on SQL.
- Non Technical:
 - ❖ Coordinating time with subordinates.
 - ❖ All were having a different approach to solve a particular problem



Conclusion

- Almost 60% of the countries have electricity accessibility rate of greater than 90%.
- Less than 10% countries have transmission and distribution losses above 20%.
- Rural areas of more than 100 countries have less than 50% electricity accessibility.
- All countries are primarily dependent on oil sources to produce electricity.

