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**Visualization Dashboard Test Assignment**

*The objective of this assignment is to create a data visualization dashboard as per as instructions given below.*

**Data**

Data.csv

**Data Visualization Dashboard**

- Use data given in Data.csv

- Create a database (of your interest such as mongodb, postgresql, sql, Mysql) from the Data.csv data given.

- Use Java as the backend, and react.js or angular.js as a frontend to design and develop a dashboard

- For charts or visualizations, you can use either of the following:

o D3.js (recommended)

o chart.js

o fusioncharts

o plotly.js

o google charts

o highcharts

o etc.

- You must use the given data only.

- Develop any creative visualization that you like most, using provided data in csv.

- Interactive graphs, charts, and visuals are recommended

- The dashboard should read the data from the database.

- Create API in java/spring boot to get data from the database

**Important variables to be visualized**

- Intensity

- Likelihood

- Relevance

- Year

- Country

- Topics

- Region

- City

**Filters in the dashboard**

- Add end year filter in the dashboard

- Add topics filters in the dashboard

- Add sector filter in the dashboard

- Add region filter in the dashboard

- Add PEST filter in the dashboard

- Add Source filter in the dashboard

- Add SWOT filter in the dashboard

- Country

- City

- Any other control or filters that you can add from the data, best of your knowledge

**Some Examples of the Dashboard**

1. <https://pixinvent.com/demo/vuexy-vuejs-admin-dashboard-template/demo-2/dashboards/analytics>
2. <https://pixinvent.com/demo/vuexy-vuejs-admin-dashboard-template/demo-2/charts/apex-chart>
3. <https://pixinvent.com/demo/vuexy-vuejs-admin-dashboard-template/demo-2/charts/chartjs>

**Where to submit it?**

To submit your solution, please fill out this google sheet and upload your article to google drive, and share the drive URL in the google sheet: <https://forms.gle/YBV6Xka5WsrPwYsB8>

**Timeline**

Timeline: 8 Days. The Sooner is better.

**Questions?**

Text message on Skype id “ajay\_1229” if you have any questions.