**Blackcoffer**

Consulting Website:  [https://blackcoffer.com](https://blackcoffer.com/)

Web App Products: <https://netclan.com/> | <https://insights.blackcoffer.com/> | <https://hirekingdom.com/> | <https://workcroft.com/>

Mobile App Products: [Netclan](https://play.google.com/store/apps/details?id=com.netclan.netclan&hl=en&gl=US) | [Bwstory](https://play.google.com/store/apps/details?id=com.blackcoffer.bnews&hl=en&gl=US)

**Visualization Dashboard**

**Test Assignment**

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

**Data**

Json file: jsondata.json

**Data Visualization Dashboard**

* Use given json data
* Create a database (of your interest such as mongodb, postgresql, sql) from the Json data given.
* Use Flask or Django framework to design and develop a dashboard for Back-end
* For Front-end you can use Javascript/bootstrap, Angular, or React
* For charts or visualizations, you can use either of the following:
  + D3.js  (recommended)
  + chart.js
  + fusioncharts
  + plotly.js
  + google charts
  + highcharts
  + etc.
* Use any creating visual that you can create using the data to generate insights
* You must use the given data only.
* Develop any creative visualization that you like most.
* Interactive graphs, charts, and visuals are recommended
* The dashboard should read the data from the database.
* Create API in Python 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 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. Sooner is better.