**Blackcoffer**

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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 the instructions given below.*

**Data**

Json file: jsondata.json

**Data Visualization Dashboard**

* Use the given JSON data
* Create a MongoDB database from the JSON data given.
* You can use any of these frameworks as per your best skillset:
* Python-Django (Backend) and Javascript/bootstrap / Angular / React (Frontend)
* MERN or MEAN Stack
* Python or Node.js and React Native for mobile apps
* For charts or visualizations, you can use any of the following:
* D3.js (highly recommended)
* chart.js
* fusioncharts
* plotly.js
* google charts
* highcharts
* etc.
* Use any creative 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, using provided data in json.
* Interactive graphs, charts, and visuals are recommended
* The dashboard should read the data from the MongoDB database.
* Create API in Node,js / Python to get data from the MongoDB

**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**

* <https://pixinvent.com/demo/vuexy-vuejs-admin-dashboard-template/demo-2/dashboards/analytics>
* <https://pixinvent.com/demo/vuexy-vuejs-admin-dashboard-template/demo-2/charts/apex-chart>
* <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 “mani.vidyarthy” if you have any questions.