SmallSEOTools

PLAGIARISM SCAN REPORT

Words	997	Date	November 23, 2021
Characters	6281	Excluded URL	

10%	90%	4	37
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Constructing a new dataset
We needed to construct a new dataset to have specific information which is required after merging two datasets on their specific disaster value. This new dataset also had 6 new columns to keep track of each of variables namely:
Rating(i.e. Frequency)
Population_impact
Property_impact
Economic_impact
Impact_factor
Hazard_ranking
These new values with an indexer and some other parameters we derive a new dataset which helps us later to analyze them and showcase the graphs in the results.
Analyzing new values
Analysis of the new values with important parameters show how close those are with each other, thus explaining and making the developers closer to the model. The approximation of the new model would be clear and make the right analysis of the presented dataset with the new values.
The results of this can be seen in the Analysis and results section which clearly explains each figure and the contribution of them in the further development to produce the correct results. The graphs as a whole made clear that we need to provide a comparison and documentation for the disasters of users so that we can provide a basic structural guide towards resolving those disasters and ordering them as per their risk and vulnerability.
Final Webpage Output
This is the second last step towards completion of the product which is to serve as UI, where they can register disasters to interact with our algorithm. There are two sides of a webpage, client and server, firstly client side to serve the user and server side produce results required by them.
Screenshots of the Webpage below can help to know what is the actual interface and results of the product which we are building. The 4th point or the last step is to produce the assessment documentation of the number of disasters specified by the user.
Document Generation
Final output to the user after entering the details to the webpage is the document which provides the assessment with values and ranking of those disasters. It also tries to guess the type of disaster which can be ignored, if not correct and does not affect the final assessment output.
The document has a standard template which also suggests counter measures for each of the three impacts which can be explored further to get better preventive measures.
Note: For each disaster we have each page explaining and assessing the particular disaster individually.
Procedure
You first Generate the 6 values described in Step 1, and concatenate with other values to get the dataset called “Hazard_Ranked.csv”, which is the baseline for our Step 2.
Step 2 has the analysis phase which explores the “Hazard_Ranked” dataset further and builds up the platform for moving to Step 3 and 4 which are the top level architectural designs.

Step 2 also sets up our stage for making the ranking more accessible to the developers to understand what needs to be developed so that we can attain the results from Step 3.
Step 4 is done using pre generated templates and then produces a custom write up for the disaster value entered by the user and suggests measures. This document act as the stonewall for the disasters and exploring them further could lead to better results to precisely evade the losses.
We were able to analyse and visualize the data to accurately portray the desired hazard rankings of various incidents taking into consideration multiple factors.The data supports and functions well with our chosen formula for calculating the impact factor of events.Future work may involve making the data more intuitive to new and untrained users to accurately be able to get insights from the graphs and hazard rankings and take preventive Measure accordingly. For Incidents, to get an accurate location each data was added in the database by past references and data that is available.
Furthermore, a short description of incidents must be given, and each incident must be chosen according to a specific category such as control time in days, death rate per day, finance requirement, or other items on the available category list. Moreover, it is necessary to check whether location of incidents are verified or these incidents have been responded to already. The checked information is so important for responders because managers could figure out several tasks done on those incidents, and no need to send more volunteers in unnecessary statements.
Conclusively we have provided a documented report which we can find on the website and download on the local computer. Thus providing an assessment to disasters and suggest counter measures for each impact in the document. Include machine learning based prioritization.
We can see that disasters are abundantly occurring during an ongoing pandemic, which can itself be a challenge but if not prioritized we might end up in loss (life,land or money) . Thus we aim to provide a software(Website) which ranks the disasters and provides an assessment document for each of the disasters.
This project was taken up by us as we saw the emergence of various disasters occurring around the world and could observe that something like a prioritization algorithm is an essential requirement. We thought that it would be highly beneficial for a state or even a country for that matter to foresee what measures it can take ahead of time and what kind of preparations and resources would be required if any such disaster occurs unexpectedly. We are making this project to deal with the problem of prioritizing disasters to optimize their management. The formula to calculate ranking and then suggesting the counter measures to reduce or eliminate the impact by those disasters.
Thus, After exploring Objective and Motivation we propose a model to rank disasters and prepare a document of analysis and suggest measures according to the parameters provided by the user, thus helping them to easily apply these measures with exploring them further. Also proposed models have been analyzed to show the data is enough to specify and rank the disasters among the collection. Validating the product/software.

Sources	Similarity
Results and Discussion - Case study - Relief Planning Management ... The checked information is so important for responders, because managers could figure out several tasks done on those incidents, and no need to send more ... https://1library.net/article/results-discussion-case-relief-planning-management-systems-investigation.y87o0o5z	4%
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