Pre processing

Due to db size and our need to have a dynamic and responsive environment

We preformed the following preprocessing steps:

1. We download with the mongoexport command each item in the newsItems\_Events table as a single object
2. We wrote a script that preforms the following
   1. We loaded the ReverseGeoCode package with appropriate coordinates (only u.s ,source http://www.geonames.org/)
   2. For each object from the newsItems\_Events we ran the ReverseGeoCode package on the first georss:point .
      1. If it had a georss:point , we added the following key pairs

Country (e.g. “contry:russia”,” contry:”japan”)

State Code (e.g. “stateCode:AZ”-Arizona ,”stateCode:AL”-Alaska)

* + 1. If it didn’t had at least 1 georss:point we ignored the object.
  1. If the country code for the object is the US, then we consider this a valid object
  2. Each group of 2000 valid objects (i.e. with a georss:point field and in the us)we group into a json array
  3. Each array we save in a json file named part+ number of array .json (e.g. the third array is kept in part3.json file located in the data/newsItemsparts folder)
  4. The scripts splits the files because both Git and Firefox had problem handling very large json files (Git does not allow more then 1.g file and Firefox kept crashing)

Project presentation

Features

* Color blind mode
* Legend
* Highlething
* Display both values
* Word selection
* Word exclusion
* Help
* Range mimaztion
* Max and min opacityseeting
* Random test

Devolpment process and changes

Color testing

Color radmizer

Worth(formala)

Human feedback

Colorblind mode

Abitltes (is it scalable)

Mission types completion