Proposal

Team:

Duwli Toe

Melat Yohannes

Deandrey Kelley

Topic: Visualization top ten Billionaires in the world from 1996 to 2014

DataSet link: <https://www.kaggle.com/soubenz/forbes-top-billionaires-list-2018>

Github: <https://github.com/Mellatte/Group_Project-2>

The goal for this project is to use D3 graphics to tell the story of the top ten billionaires in the world. We reviewed the top ten companies & the top 10 CEOs to come to a conclusion. We will equip our legend with the ability to switch from company to company.

Components:

We chose to use MongoDB for this project.

D3.js – A JavaScript based visualization engine that renders inactive charts and graphs in svg format when given data, which are then passed in to divs in index.html

DC.js – A JavaScript based data manipulation library for D#.js – this made plotting the charts easier

Crossfilter.js – A JavaScript based data to manipulated library that enables two way data binding- This is used when a section of a graph is clicked, all the other graphs will filter out.

Queue.js – An asynchronous helper library for JavaScript

Flask - A Python micro-framework that was used to serve the data and render the HTML pages for this Application.

Python – A Python file name app.py renders a graphs.html template and builds a web server to interact with Mongo DB

MongoDB – NoSQL database that converts and presents data in JSON format

Dataset – The information used to explain a given report