Project I: Data Visualization

In this project, teams are expected to do two things:

1. Find a data visualization tool and learn to use it.

2. Find a publicly available data set, use the data visualization tool to make a nice presentation of the data visually.

Although the following outlines how you could do it using Tableau, I do NOT limit the choice of tools, and you can feel free to use any visualization tools that you prefer.

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Using Tableau for Data Visualization:

Step 1: Please go to this URL: http://www.tableau.com/public/ to download the free version of Tableau.

Step 2: Refer to this resource page for more tutorials than you will need to build a nice visualization project: http://www.tableau.com/public/training

Step 3: Look for inspiration: the gallery is a good place to look for ideas if you do not know where to begin: http://www.tableau.com/public/gallery

Step 4: Look for data: Sample data sets can be found here: http://www.tableau.com/public/community/sample-data-sets. In addition, there are many data sets online these days at other web sites such as kaggle.com. You can also use your own data set if you have an interesting problem of your own to work on.

NOT Using Tableau for Data Visualization:

You are more than welcome to try out many other data visualization tools available online these days. Some resources are:

http://www.creativebloq.com/design-tools/data-visualization-712402

DELIVERABLE:

There is NO written report required for this project. Instead, all you need to do is to post your dashboard on the class project forum and present it on April 1st. Your grade depends on my evaluation of your project. Criteria are:

1. Is the use of visual components effective and intuitive?

2. Is the dashboard INTERACTIVE? Does it allow users to drill up and down (or across) through the use of various components?

3. Is the message clear thanks to the visualization?

you are strongly encouraged to use features such as GIS (Geographical information system), i.e., maps that overlay with your data; "animation" such as evolution of your data through time, etc.