**Supervisor Meeting Minutes**

Date: 12 February 2015

Time: 4.30pm

Attendees: Prof. Kam Tin Seong, Benjamin Tan, Zoey Teo

|  |
| --- |
| **Items Discussed** |
| We shouldn’t just focus the visual application part, we need to do the whole process too, including looking at the data and deciding what would be better to display the data  Read the articles put in the reference folder shared with Prof Kam  **Architectural Perspective**  Space, time, data dimension  Read up on cross-filter (in d3)   * Can reduce hard-coding of the columns * Makes it easier to work with the data * So you can group them, can have hierarchical data too * Now what we’re doing to the csv is right but we still need to send it through cross-filter * Addresses the conventional of getting the data * Explain what is so different (use the flow chart in page 32 of the article)   – it can form part of your web document and allow you to slice it into OLED form on the fly so that you can do the visual representation. (this is the data transformation part)   * Look at the architecture article given by prof   Look at <http://mitweb.itn.liu.se/GAV/euro/#story=0>  A dashboard we can look at how they make different charts interact with each other  Our current flow is okay, like moving from the general point to more specific, but make sure that the users can still see what the context is (maybe we can use breadcrumbs to guide them)  We can also consider using dc.js together with d3 (since they use the same data)   * DC integrates the data with the crossfilter already |
| Midterm   * Data preparation * Data cleaning * Data exploration (just maybe a simple one using qliksense or something to show your idea) * Can show some idea that you are referring to – some pages, or just storyboard, or even a tableau one * If you have enough time, you can show off some of the earlier iterations (but not a must) * Explain the process properly. The process is more important rather than the visualization * We need to let everyone see that we are still dealing with stats, not just creating an application (so emphasize on the analytics stuff that we are doing!) * Present insights that can only be seen through visualizations (storytelling) – text that helps the viewers understand like the key indicators (the clients will have to write it, our role is that can we create something that allows them to upload their text and then the users click on something, the text will show up, e.g. maybe on country basis) – but this is challenging, can do after we finish the first level of allowing them to understand the data – like the example they have a story control (look at Angular or something they might have such a library)   We will need to let the clients understand the statistics behind it |
| Geovisualization example   * <http://bl.ocks.org/jasondavies/4091835> * Some countries may have null data, no colour for null   Cartogram   * Blowing up the size of the country in the choropleth map * <http://prag.ma/code/d3-cartogram/#popest/2010> * If we are scared that they are confused, they can toggle between a normal choropleth or a cartogram * Check out world development in cartogram (go google it) |