Time: 11am – 12pm
Location: SIS MR4-3
Attended By: Janice, Siong Min, Hui Shia, Prof Kar Way, Ms Michelle, Mr Andrew
Absent with Apologies: Nil

No	Agenda:	Action By:
1	HS: Feedback that the JSON is not well-formed and has coded a program to normalize the data. Currently, the problem does not deter the group from moving forward. KW: Pass it into a hashmap. Tell Andrew the format of the SAS so that they can extract it out. However, is it a SAS problem? They want to fix the root cause. Andrew: Can un-wind the data before exporting it. Means storing data day by day so that it becomes flat. Ya zhe made some changes. We can just email if we have any enquiries. Current problem: date problem, not-well-formed json, sequence different. Conclusion: Whether is it the extraction of input, KW does not think it is a problem. She thinks the group can just move on.	Help the DHL team to understand what needs to be changed.
2	KW: Need to check if the project is sufficient in terms of scope for the course. Different projects have different values and focus.	Check with Prof Seema and Prof Kam on project scope
3	KW: Is there any assumptions on the lag time? Within close timeframe. Asking if our time period if it is together during the same timing (e.g. 1-2days)? It is hard to convince that if I have hot topic on Twitter, jobs will be created the next day. Hot jobs > more tweets easier. Need to be more careful in drawing links.	
4	KW: Just want to caution that there are words that are not related to sustainability. Explore each individually. Explore which topics are these tweets are. Maybe do for tweets – clustering with different topics Andrew suggested categorizing type of tweets – individual, corporation, advertisement. HS: The decision trees for jobs and tweets and both – this is a goal for after mid-terms.	
6	Janice: We will like to use time zone as a supporting value, supplementary value in our analysis. KW: We can quantify the accuracy of the Twitter data. We cannot even say the accuracy.	Check the Twitter api what the timezone represents

7	KW: How much the practicum accepts qualitative approaches? Like based on the various continents, what are the different policies that may be affecting the jobs? However, we are not expecting any super detailed exploration. It will be difficult for any concluding supporting evidence. Suggestion: Display the no of jobs in the world map. Then use the several topics and map them to their map. It will not be able to prove anything but it will be good just to visualize. It does not have to prove but the reader will co-relate. Choose one or two out of these policies. Visualization is just a matter of implementation. Quantitative is definitely good, seeing the indices with the number of jobs indicated. If there is really a roadblock, can do it as a visualization (though it is not necessary). HS: We are interested in exploring the policies. We can search for the companies that are joining these policies per month and map it out. This one may be a better measure. Consumer citizens – Greendex map – global consumption pattern. KW: Can you aggregate some data and do a regression of the variables. If there is no significant factor from these, we can also conclude something. Maybe use a combined version of a regression. How can we know which factor is the contributing one? Can we put them together to become a weighted measure? (optional)	
9	SM: Currently the data provided in the database may be insufficient. Given that the indicators found online are usually aggregated to a monthly basis.	
10	Midterms Presentation – Full day on Week 8	Check w Prof Kam when is our slot so that our sponsors can sit in.
11	KW: Question that we want to answer is still abit fuzzy. In the research, what questions we want to answer. It is currently still very fuzzy. Are we trying to find a relationship with the policies?	Need to define our objectives properly.

Prepared by: Tan Siong Min