Supervisor Meeting Minutes 7

Date: 29th March 2018

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| Present: | Prof Kam, Russell, Weilun, Jing Ying |
| Venue: | SMU SIS MR 4.5 |

## Agenda

* Go through Dashboard
* Go through MBA analysis application
* Revise the abstract submitted.

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| Time | Details | Person In Charge | Status |
| 6:41pm | Abstract feedback2 main points:1. Give more details on technology used. since we are building a dashboard, so what are the technologies we are using. Web design technologies. we can describe the libraries as well if we want to.
2. In the abstract highlight, 1,2 or 3 core visualisations that we are using. for e.g. if we have tree maps then use tree maps.
3. Instead of statistics, use performance measures
 | All |  |
| 6:48pm | Market Basket AnalysisShould we remove occurrence of the same product in the same order?* 1. We should remove the duplicates. Basically, you ca have order no and multiple kind of products, but should not have same products for the same order no and same date.

Visualisations* 1. We should have **network diagram** to show the association between groups. for e.g. if they are linked, they will form 1 group. Because in mba, we do association rules,
 | All |  |
| 6:55pm | Dashboard1. For line graph, use control chart, the envelope should be a dotted line. Values can hide, hover over to see more.
2. The color for warehouse should be same color but different intensity. e.g. Dark blue, normal blue and light blue.
	1. How to display proper comparison:

Put them both side by side, size shouldn’t matter. make the diagrams proportion. Don’t have to label all the depth no, just show a few to show the proportion. Use grid colours like grey color.4 keys measures:* 1. warehouse utilisation
	2. inbound and outbound KPI

Remove the scrolling functions, let them view different graphs and functions via tabs in the navigation bars on top.Don’t make data visualisation empty, make lesser white spaces.Recommendations1. For recommendations, use linear programming to optimize it. use the location with the lowest distance. For now, our business rule is that so long as there is already a good there, we do not assign anymore goods there. So we go by the nearest slot that is not filled first.
2. If this is the case, we do not know when a certain amount of goods that came in, we do not know how many slots in the warehouse it will take up. come up with an arbitrary value first.
3. So we can just allocate the closest slot.
4. Can have both exported file and floor map on the dashboard.
 | All |  |