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| **Date & Time** | 15.00pm, February 23, 2015 |
| **Revenue** | SMU SIS MR4.1 |
| **Supervisor** | Prof Kam |
| **Attendees** | Wang Jing |
| **Agenda** | 1. Identify analytical techniques |

**Minutes:**

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| **Time** | **Topic** | **Comment** | **Action by** |
| 15:00 |  | * quantify data * are they evenly distributed or clustered * if skewed/clustered, where and how * detect pattern, then detect the cluster * PPA - K FUNCTION   + determine optimal point to look for cluster   + kernel density * L FUNCTION   + show significance * input value to kernel density will generate map * combine kernel density & k function * tool - spatstat, R 3.0, Rserve * improve from senior’s work * we focus on point pattern analysis * make the app easier for casual users * make analysis more advance than senior’s work   + start with homogeneous   + real world distribution is not homogeneous   + e.g. singapore map - non-homogeneous environment   + complete spatial random (CSR)   + inhomogeneous method   + OR based on population point as DEMAND   + compare using D FUNCTION   + HDB - control   + services - test * interactive catchment area   + be able to focus on a particular zone * actual HDB points   + check classmates’ assignment - streetdirectory.com   + keep changing laptop to call the data   + look for HDB in certain region   + OR get a copy of postcode of HDB   + OR get data from Prof * population distribution in subzone is not good   + relatively long/short distance   + are different services equally well served * within 1km there is one hospital * disrupt the distribution   + whether evenly distributed, descriptive   + then cluster or disperse   + quadra account analysis * relatively low cost services have more? * quantify distribution * don’t estimate population * HDB is enough   + target population in HDB   + app can be ran with/without weight   + can use random number * app as a framework   + for users to upload data they need   + e.g. HDB as a control layer |  |
| 15:45 | **END** | | |