Mobile Usage Pattern and Privacy Implications

Progress Report#2

By Manik Saini, Parteek Singh and Ratnesh Patidar

**For: Michael Mitchell**

**Tasks Completed this week:**

1. Completed Recreation of graphs including confidence intervals and error plots.
2. Worked on all-pair data analysis.
   * Found correlation between different variables.
   * Filtered out the required variables which have strong correlations.
   * Need some more filtering and addition of specific variables to figure out more results out of the data.
3. Worked on finding out confidence interval for the differences of various results found in the paper, to strengthen them.
4. Results are in results file.

**Tasks Next:**

1. Apply ttest to find the confidence on the differences of various categorical variables.
2. Adding up the results to the paper for coming submission.

Individual Contributions

Week II

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| **TASKS** | **CONTRIBUTORS** | | |
| **Manik Saini** | **Ratnesh Patidar** | **Parteek Singh** |
| Graph Creation (in R and SAS) | X | X | X |
| Error Plots (in R and SAS) | X | X | X |
| All-Pair Data analysis |  | X |  |
| Filtering variables with strong correlation | X |  | X |
| Report Generations | X | X |  |