Mobile Usage Pattern and Privacy Implications

Progress Report#5

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**For: Michael Mitchell**

**Tasks Completed this week:**

1. Continued finding results on age-wise grouping. Found few significant results.
2. Cross-correlation among various variables was found in previous reports. As per professor’s instructions, we included categories like gender, age and similar to get correlation depending on them.
3. Gender came out to be a confusing idea, as increase in number of males/females was not making a fit that could be related to correlation. Still working on fitting it in some way.
4. Age was a good option, which when correlated with the significantly correlated pairs of variables, gave significant results with few of them. Results are recorded in results file.
5. Worked on demographic and ethnicity factors related to the research. No significant results on paper as of yet.
6. Worked on odds ratio, to relate categories which not possible to fit into cross-correlation analysis. Results in progress.

**Tasks Next:**

1. Put in more variables which are fit for cross-correlation.
2. Work on demographic behavior to find out significant results.
3. Find out variables on which more analysis can be performed to get results related to usage pattern results and privacy.
4. Study about odds ratio and its significance to add up more results.

Individual Contributions

Week V

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| **TASKS** | **CONTRIBUTORS** | | |
| **Manik Saini** | **Ratnesh Patidar** | **Parteek Singh** |
| Cross correlation | X | X | X |
| Age-wise Analysis |  | X |  |
| Demographic analysis |  | X | X |
| Odds ratio analysis | X | X |  |
| Report Generations |  | X |  |