***ZS ASSOCIATES COMPETITION FINAL CODE***

ZS Associates hosted a data science competition. This was my final code submission for the competition. Most of my time was spent trying to create a suitable dataset on which I could train my model and predict the solution.

The CODE file contains the final trimmed code in R. The steps followed are:

1. Loading the following libraries :

library('dplyr')

library('randomForest')

library('caret')

library('Metrics')

library('mice')

library(data.table)

1. Imputations with MICE.
2. Creation of all possible combinations of PID, Date, Events.
3. Created a file containing all events of given PID without Dates.
4. Counted the most occurred Event and its interval.
5. On this basis finally predicted the next 10 event occurrences.
6. Data was stored in correct format.
7. The Final Solution was saved and submitted in the correct format.