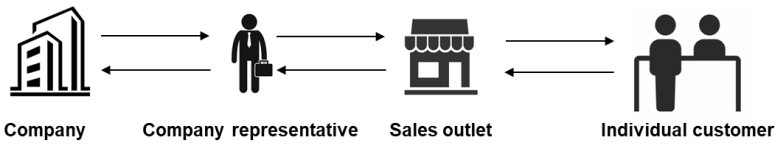
Background:

Attached excel contains locations of 1000 mobile financial service sales outlets. These outlets are served by company representatives on specific day of the week. Company representative collects cash from outlet and gives electronic balance to outlets. Outlets later on collects cash form individual customers and gives balance to individual customers. Daily sales of those sales outlet for last 90 days is also given.



You need to:

1. Plot outlets in a map.
    a. Submit map image file (png/jpg), html map file, source code in python file(.py).
2. Predict sales of each individual outlet for Feb 1-2-3, separately for each day.
    a. Submit the prediction output as excel file, source code python file(.py)
3. Predict total amount to serve by all company representatives on each day considering the fact that each outlet will not be served everyday, some may ser served after 1 or 2 day and will require balance till next visit of company representative .
    a. Submit the prediction output as excel file, source code python file(.py)
4. If company wants to deploy 50 company representatives (rep#1 to rep#50) then which retail will be served by which representative? Justify your methodology, implement and plot the grouping on map.
    a. Submit excel file with outlet-representative mapping and source code in python file(.py).

Dataset: