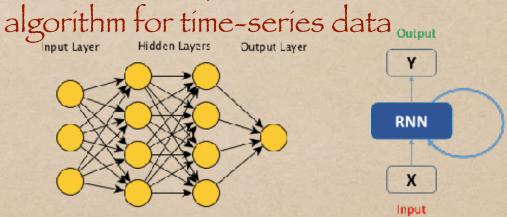
Budget Agent Status Update: 7/10 Objective:

An agent that

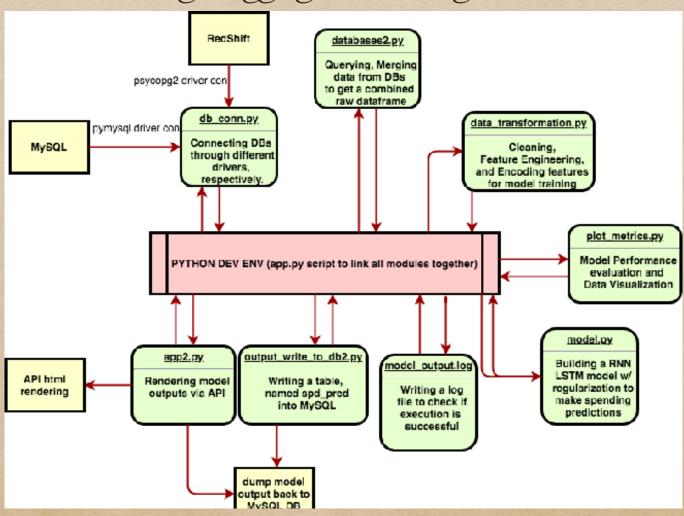
1) learns how daily limit (budget) to be set in order to optimize ads performance as well as ads pacing; — RNN LSTM learning



2) satisfies that daily limit as a constraint by incorporating the trained solutions from the model that serves well as a continuous feeds to automate the whole budget allocating processes—customized algorithm to meet business needs

Budget Agent Status Update: 7/10 Tasks:

1) Model Training, Logging, Scheduling to full automation



Budget Agent Status Update: 7/10 Tasks:

- 2) customized algorithm write-up:
 - i) the logic of the procedure:
 - Check the daily limit, compare it w/ predicted spending, impose the checkpoints (#4-10), sum up to the monthly level, and adaptively adjust spending accordingly
 - ii) data study:
 - a) campaign currently running: 391 & lasting at least 30days: 309; campaign-wide, we've trained cids about 309/391(~=80%)
 - b) client currently running: 92 & fully trained on clients: 63 & partially trained on clients: 29; client-wide, we've trained bids about 63/92(~=70%)
 - iii) the approach to deploy:
 - a) conservative approach: limit spending to +- 15% of daily limit regardless of predicted spendings
 - b) adaptive (hybrid) approach: apply predicted spds and regularly adjust at checkpoints
 - c) aggressive approach: play aggressively, let the model fly w/o adjusting
 - iv) target to go alive: targeting to deploy solutions on 63 clients by refreshing the next several days spendings by next Monday, 7/16, no later than 7/19