MODEL DEPLOYMENT

As the project is based on real time, so we can't apply any offline method of model deployment like scheduler to deploy the model. Here the model should predict the fare when any user will set his pickup and drop-off location, so we have to use online methods. We may use any of the available methods but here I have discussed using the RevoDeployR Framework.

The end user's application will be connected to the client libraries. As soon as the user will set the pickup and drop-off locations the client libraries will capture the information along with the booking time and send them to RevoDeployR web services. This web services will send the data to the R program uploaded in the cloud.

The R_Script contains the required functions to preprocess the data as required to feed the model. The trained model will then calculate the fare and send it back to the user interface using the same path.

INSTRUCTION TO RUN THE CODE

R Code:

- Run the code up to line 140
- Then re –run the code from line 10 to 78
- Then skip to line 150 and you can run the rest part at a go

Python Code:

- Run the code up to line 120
- Then re-run the code from line 16 to line 113
- Then skip to line 126 and run till line 144
- Again re-run the code from line 16 to line 98
- Then skip to line 157 and you can run the rest part at a go

NOTE: Please refrain from running a large portion or many lines of code at a time. As doing so may give rise to many irrelevant values.