

### Group Project 1: Estimation of Demand Function for Train Travel (due 20 September at 11:59pm)

In this project, you are asked to estimate the demand function of train travel by using data on train ticket sales at a particular train station. The data is in Data-GP1.csv, and the data items are as follows:

num_seats_total	Number of seats sold for the ticket
mean_net_ticket_price	Average price of a ticket
Dept_Date	Train departure date
Purchase_Date	Date the train ticket was purchased
Train_Number_All	Train number/name (masked)
Culmulative_sales	Cumulative ticket sales at end of day
isNormCabin	1 if the ticket is normal cabin, 0 if the ticket is for special cabin
isReturn	1 if ticket corresponds to the return part of the trip
isOneway	1 if the ticket corresponds to a one way ticket (no return trip)
Customer_Cat	Customer segmentation done by the provider

The maximum length of the report is four pages, not including possible appendixes. The analysis can be done with R or Python. **Submit the report and code by Canvas, one submission per group. Please have the names and the student numbers on the cover page.**