Recall the New York Taxi Dataset from class (TAXI\_NYC on KDC). Access the SQL database from your choice of programming tool on KLC (R, Matlab, Python, Stata). Complete the following SQL queries and analyses:

* 1. Merge the complete Fare and Trip Databases and subset the data to only trips taken between March 2013 and July 2013.
  2. Create a new variable called Trip Miles Per Minute (trip\_MPM) by dividing the trip\_distance by trip\_time\_in\_secs.
  3. Create a new dummy variable for trips taken during evening rush hour traffic, e.g.: 5:00pm to 7:00pm.
  4. Determine whether taxi rides taken during rush hour take longer than rides taken during all other hours. Run a simple linear regression using trip\_MPM as an outcome variable and the rush hour dummy as an explanatory variable while including your choice of controls.