

1)

- If the cars have gps, see how much more often they cross the bridge after implementing the toll reimbursement.
- Assuming the city has some way of keeping up with when drivers pay a toll, implement the reimbursement for a bit and see how many more tolls are paid and how many reimbursements are claimed.
- Could also simply have an estimate of normal traffic over the toll bridge and then allow the reimbursement and see if traffic increases in an otherwise unexplained way.

2)

- a) The gps solution is simple, put them in the car, measure how often they cross the bridge currently and then implement the reimbursement and see if there's change in behavior.
- 2nd solution with keeping up with number of tolls paid and reimbursement claims filed is fairly self explanatory as well.
- The measurement of traffic is fairly simple also. Lay a cable (or whatever it is that's used to measure traffic over roads) and after some time you could have an idea for normal traffic and then implement the reimbursement and see if any increases in traffic are observed.
- Could also just put a tracker in the drivers cars and put a device on the bridge that counts the number of times the driver passes by. Observe changes in traffic before and after the implementation.

b)t-test

c)Measure the mean of number of times crossing the bridge either from the gps, the tracker, normal traffic or number of tolls paid before and after the reimbursement. With the sample size of both, we can conduct a t-test to see if the means of each after statistically different.