

# Activities

- **Local Level Activity:** <http://www.traffic-simulation.de>
  - Test the different parameters.
  - What can cause congestion on Ring Roads? Is faster better?
  - Is Right Lane Bias Helpful In Merge Conditions?
  - What is the percentage of Detour Drivers that is acceptable for avoiding congestion?
  - Is early merging helpful at merge zones?
  - Is network geometry a cause for congestion?
- **Additional Network Level Activity:** <https://shielded-bayou-54726.herokuapp.com>
  - How can you reach your destination with the least travel time?
  - What is the most important factor to you: cost, travel time, travel time range?



## **Game Instructions**

### **General instructions:**

1- Please register/log in the game (through a valid email address):

#### **Register:**

Username: CE#####

Password: CE#####

Email: CE#####@gmail.com

2- It is preferable to use the latest versions of the browsers Firefox or Chrome when playing the game.

3- Please play the game using a desktop or a laptop.

4- Please refresh the browser if you feel the graphics are not properly presented. Use the fully enlarged browser for a clearer display.

### **During the game:**

1- Please keep in mind that you are expected to arrive at your destination by 9 AM; decide your departure time accordingly.

2- Select a preferred mode/route (if available) and click 'Go'.

3- You have opportunities to transfer/reroute on the way; please do so if desired by simply repeating Step 2.

4- When you arrive at your destination, record your total travel time; please complete afterwards a post-game survey based on your game experience.

5- The availability of the travel modes (i.e. car, metro or bike) depends on the location. Some modes may not be available at some locations.

6- Once you use metro, you cannot change mode as you will directly arrive at Rosslyn Station (i.e. destination). Once you use bike, you can no longer switch to car.

### **Specification of cost:**

Car: gas cost based on mileage and parking fee (parking at Rosslyn Station/destination costs \$15; however, park & ride/bike parking on the way costs only \$5).

Metro: ticket fee based on mileage (50% Discount in Inclement Weather Conditions)

Biking: free of charge.