

## **Traffic Analysis - Midpoint Report**

**Visualize or analyze traffic coming and going from Blazers games**

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### **Project Objective:**

To analyse changes in traffic congestion during game day vs on-game day in 2018-2019 NBA League that happened in moda center. Compare traffic data based on different teams at 4 locations (All directions).

### **Progress:**

Fetches clean data sets for 7 match days and non match days at 5 locations for both 1 hr and 15 min resolution.

### **Modifications:**

- We have lessened the data set by considering only 7 game days and 7 non game days.
- Initially we planned to work on 1hr resolution data by later for more accurate data we decided to work with 15 min resolution data.

### **Milestones Completed:**

- Collected 2018-2019 NBA Schedule dates in moda center.
- Collected traffic data of 5 locations (4 near and 1 far) from the portal.
- Converted the generic collected data, cleaned the data by removing rows like speed = 0 or speed = negative number or if volume = 0 when speed > 0.

### **Things to do:**

- Creation of tables in the database based on the game and non-game days.
- Processing the data to perform analysis.
- Generate graphs with speed and volume for game day and non game day at selected locations.
- Analyze the graphs and identify important patterns/observations. Compare traffic patterns when different teams are played.

### **Are you where you thought you'd be at this point?**

Yes we are currently on track and would be finishing remaining work on time.

**Date and Time of scheduled midpoint meeting with Prof :** Thursday, July 23rd, 3:00PM