



# Traffic Analysis for Blazers game

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# INTRODUCTION

- The dark side to sporting events is increase in traffic flow when compared to usual day. Our goal is to analyze the how the blazers game day in 2018-2019 NBA League had effects on traffic pattern.
- Here, we analyse changes in traffic pattern during game day and no game day.
- This can allow the traffic infrastructure planner understand how much traffic goes from one checkpoint to another when there is a match in order to redirect the traffic for better optimization and improving travel options for the viewers.

# Real Time Examples

## New Traffic Patterns For Basketball Games at Gampel



November 2, 2018 - Mike Enright '88 (CLAS), University Communications



If you are attending Game 3 of the Western Conference Finals, plan on getting there early to catch the **Portland Trail Blazers** take on the **Golden State Warriors**, as several events in the area will impact traffic. Moda Center is encouraging people to take public transit to the game. Be sure to leave plenty of lead time to get to the arena.



## DATA CONSIDERED

- Data Source: Portal data (<https://portal.its.pdx.edu/>)
- Locations: We considered four locations nearer to moda center.
- Dates Considered:

Game day					No game day		
Date	Day	Starttime	Opponent	Result	Date	Day	
10/18/2018	Thursday	7:30 PM	Los Angeles Lakers	W	10/25/2018	Thursday	
12/14/2018	Friday	7:00 PM	Toronto Raptors	W	12/7/2018	Friday	
12/29/2018	Saturday	7:00 PM	Golden State Warriors	L	12/22/2018	Saturday	
1/5/2019	Saturday	7:00 PM	Houston Rockets	W	1/12/2019	Saturday	
2/13/2019	Wednesday	7:30 PM	Golden State Warriors	W	2/20/2019	Wednesday	
12/23/2018	Sunday	6:00 PM	Dallas Mavericks	W	12/16/2018	Sunday	

- We didn't consider other factors like crashes, weather and other incidents.

# LOCATIONS

Considered four locations nearer to moda center in all directions

1. Wheeler (0.2 mile)
2. Grand(0.7 mile)
3. Glisan(1.3 mile)
4. North morrison Bridge(2 mile)





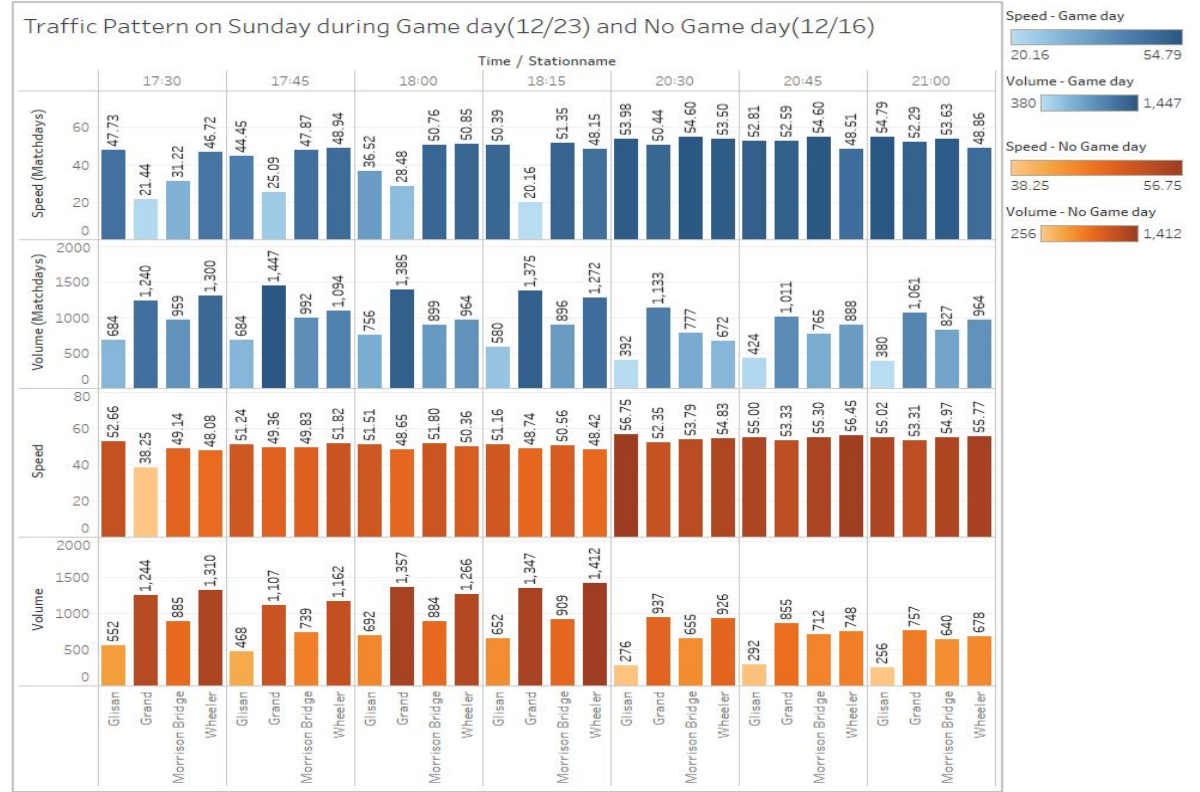
# ANALYSIS

1. Considered a weekend (Sunday) and compared traffic on a game day and no game day.
2. Out of the teams selected, Analyzed the traffic patterns between all the teams based on the players when the start time of the game is 7:00 PM.
3. Analyzed traffic pattern for Los Angeles Lakers and Golden State Warriors when start time is 7:30 PM
4. All game days(except sunday) traffic vs no game day traffic comparison.

**NOTE:** For above all analysis we considered traffic flow in four different locations

# Visualization

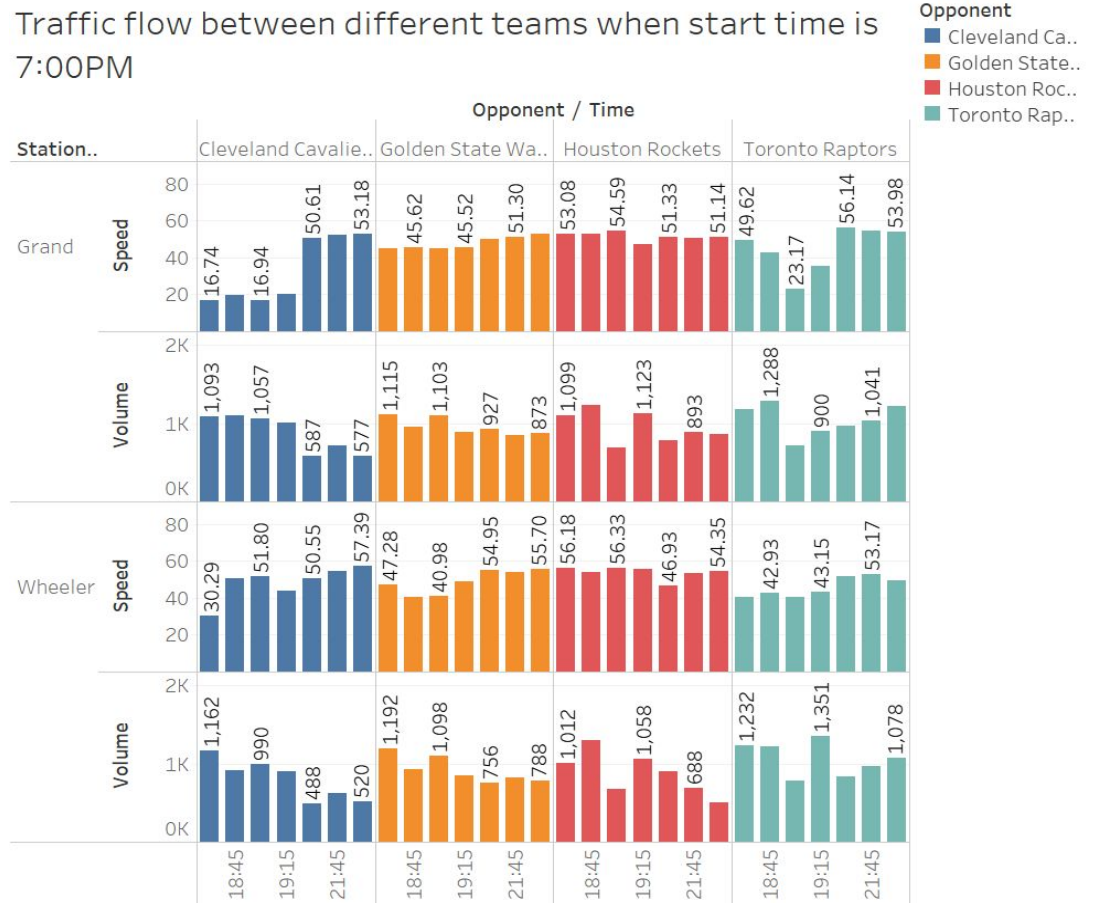
## Analysis 1:



# Visualization

## Analysis 2:

Traffic flow between different teams when start time is 7:00PM





# Visualization

## Analysis 2:

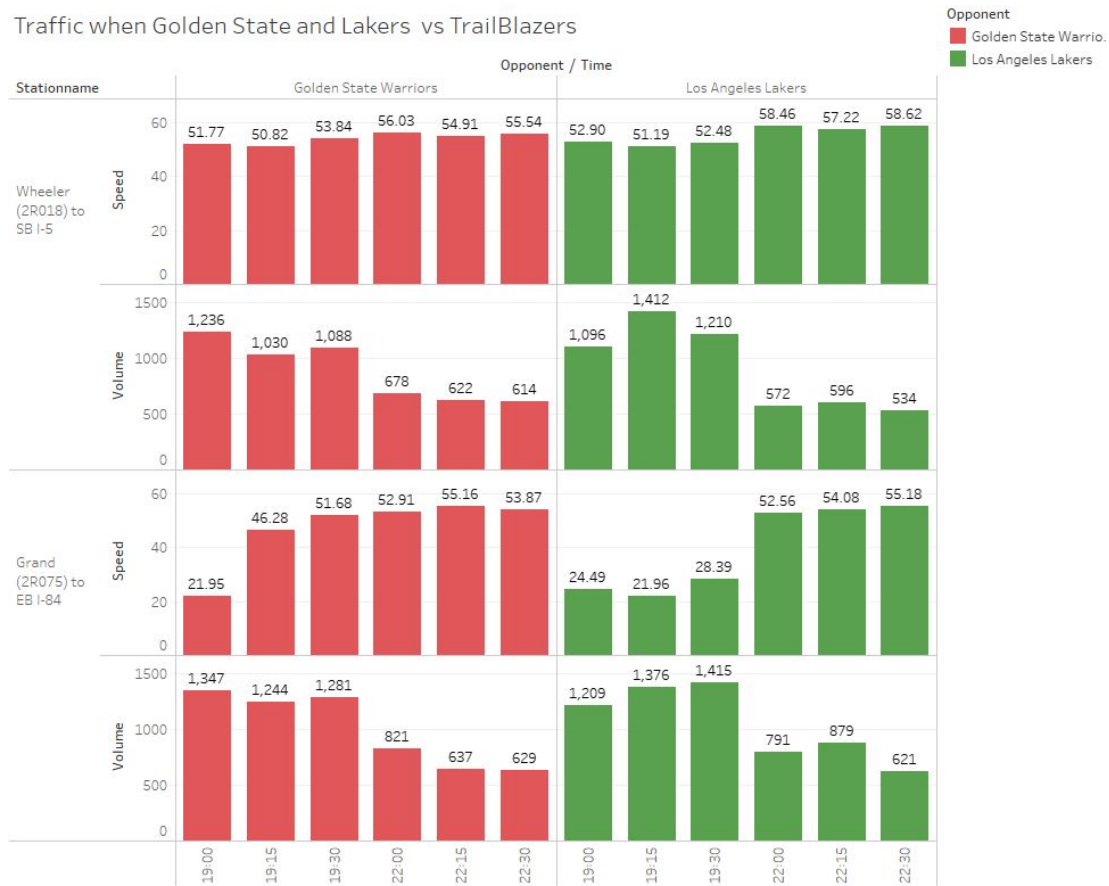
Traffic flow between different teams when start time is 7:00PM



# Visualization

## Analysis 3:

Traffic when Golden State and Lakers vs TrailBlazers



# Visualization

## Analysis 3:

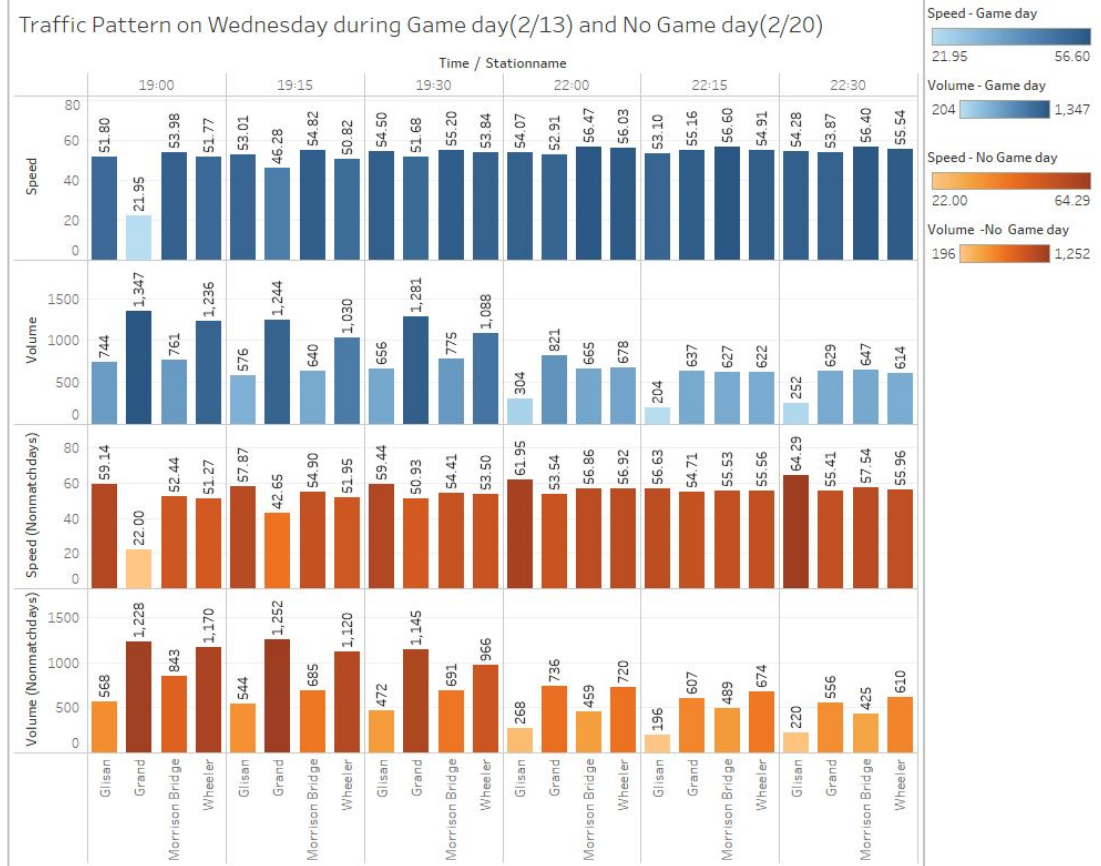
Traffic when Golden State and Lakers vs TrailBlazers



# Visualization

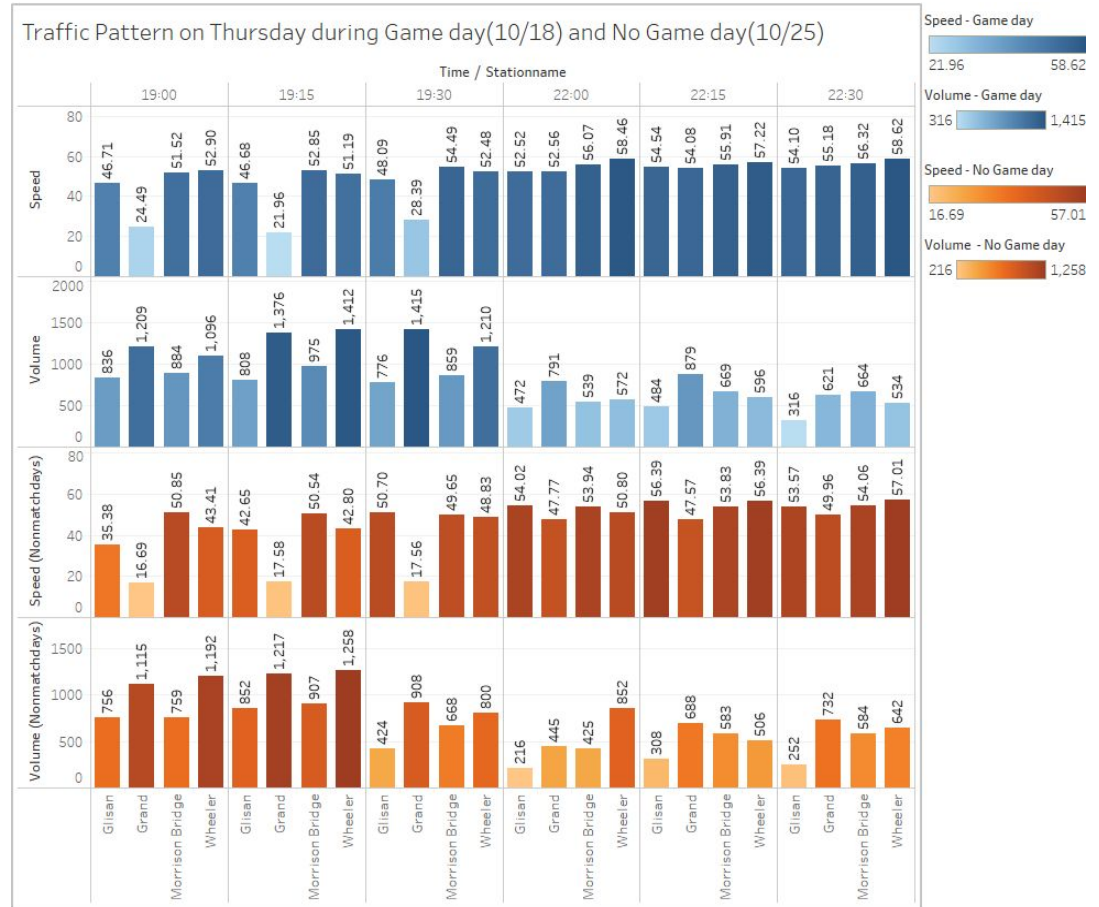
## Analysis 4:

Traffic Pattern on Wednesday during Game day(2/13) and No Game day(2/20)



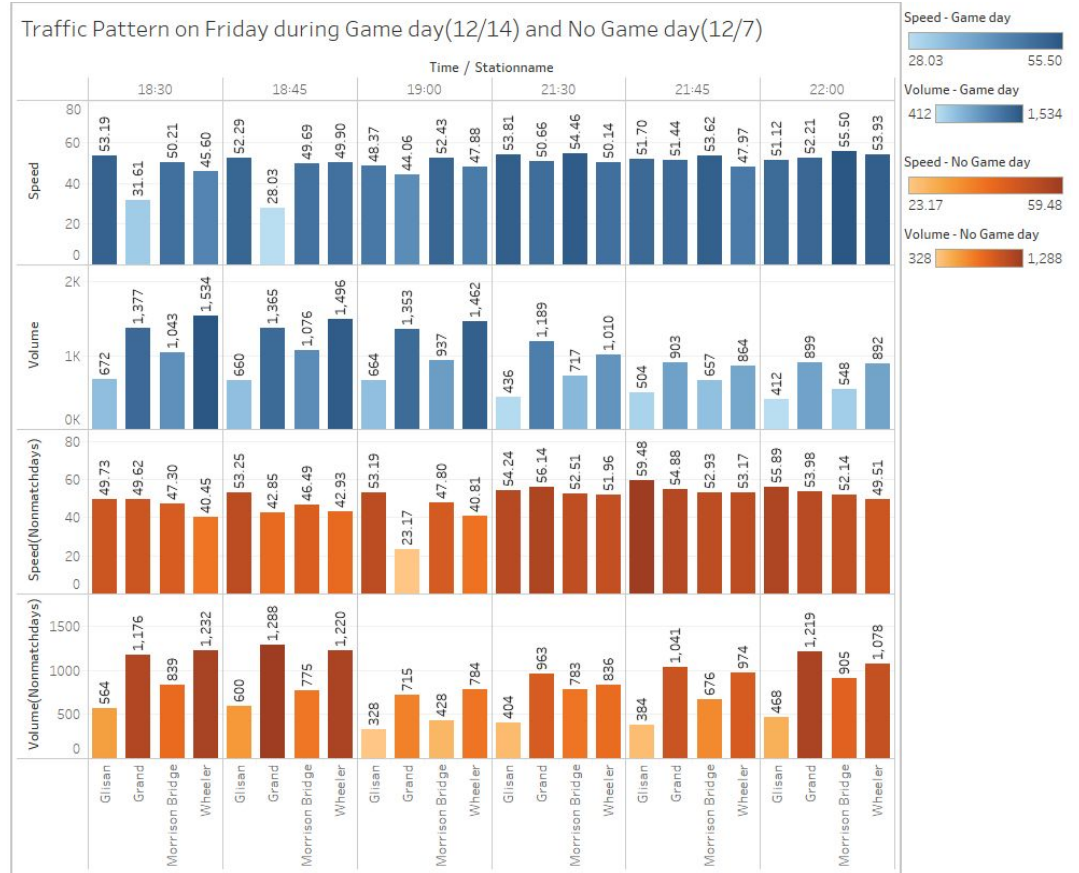
# Visualization

## Analysis 4:



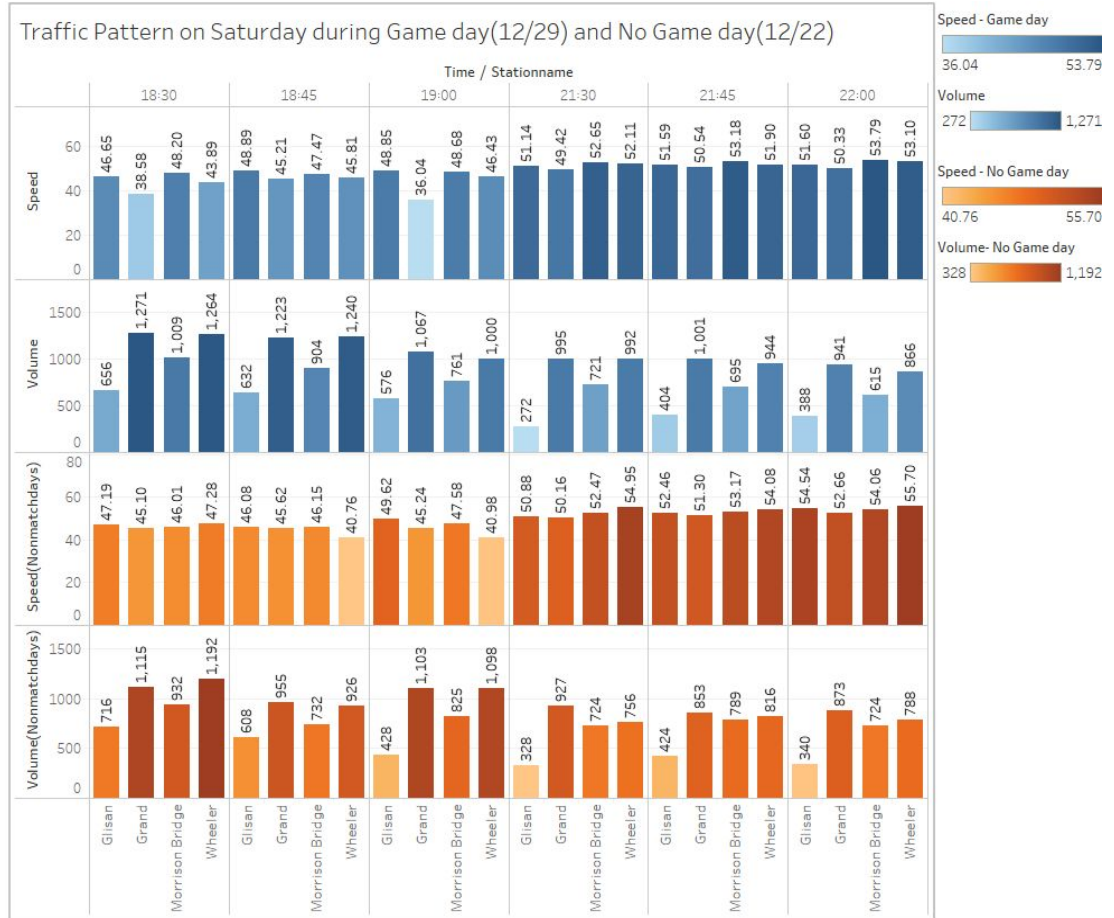
# Visualization

## Analysis 4:



# Visualization

## Analysis 4:





# CONCLUSION

- It can be concluded that they would be high chance to have more traffic flow on a game day when compared to no game day expecting the scenario of having incident on no game day.
- When the match starts at 7:00PM, All the teams (GS,TR,HR,CC) have similar traffic pattern depending on the players for that team.
- When the match starts at 7:30PM, Lakers has more traffic than Golden State.





QUESTIONS??