

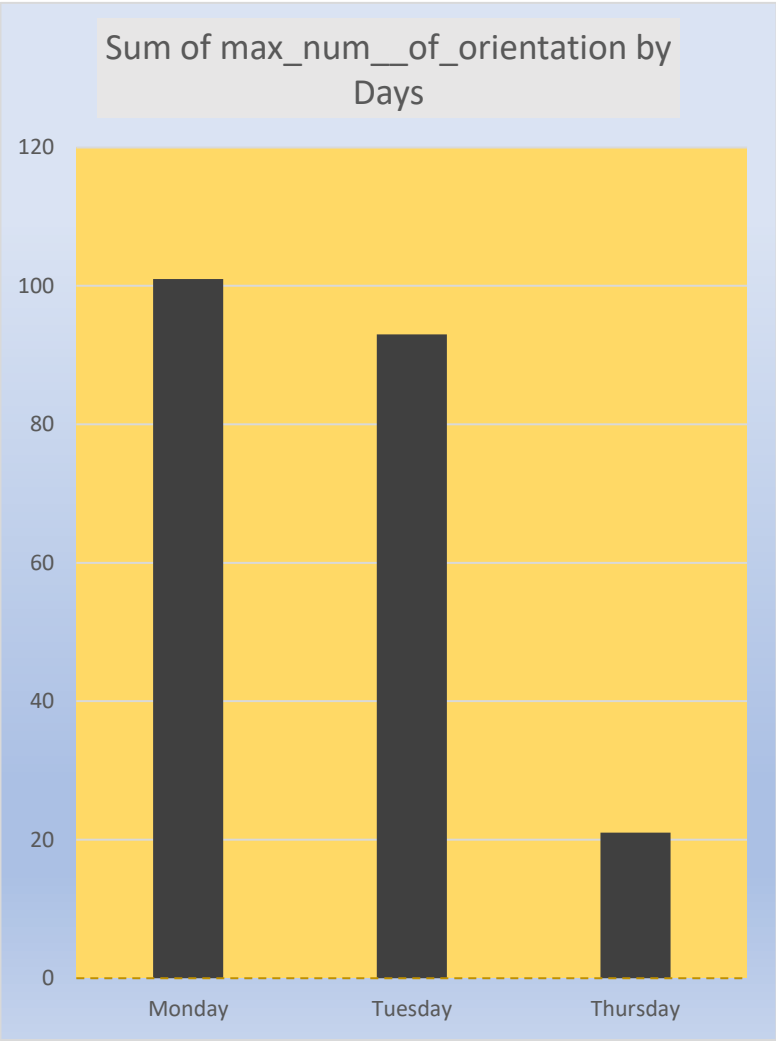
Introduction

- Lafayette Adult Resource Academy (LARA) that is the name of the institute that provides free education to those who are looking for career training, high school diploma, and English learning. For this project, our job is to find out which group of students showed up frequently and which group doesn't. We have three different groups, called ELL (English language learner), ABE (adult basic education) and youth (for high school equivalency).

Bar Chart of sum of students assigned for orientation on certain days.

Mondays are the busier day than any other day. There is a slight difference between Mondays and Tuesdays, and the least number of students were assigned for orientation on Thursdays.

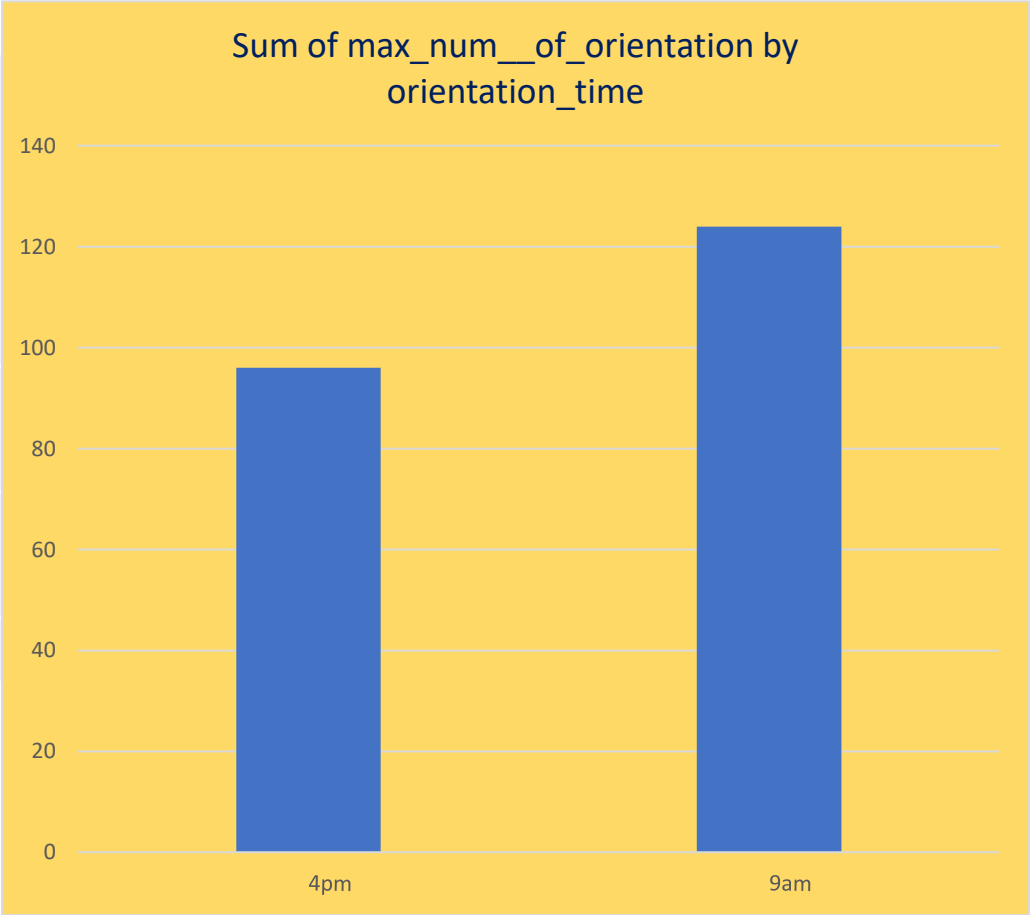
Days	Sum of max_num__of_orientation
Monday	101
Tuesday	93
Thursday	21



Bar Chart of sum of students assigned for orientation in mornings and afternoon.

More students like to come in the mornings than afternoon.

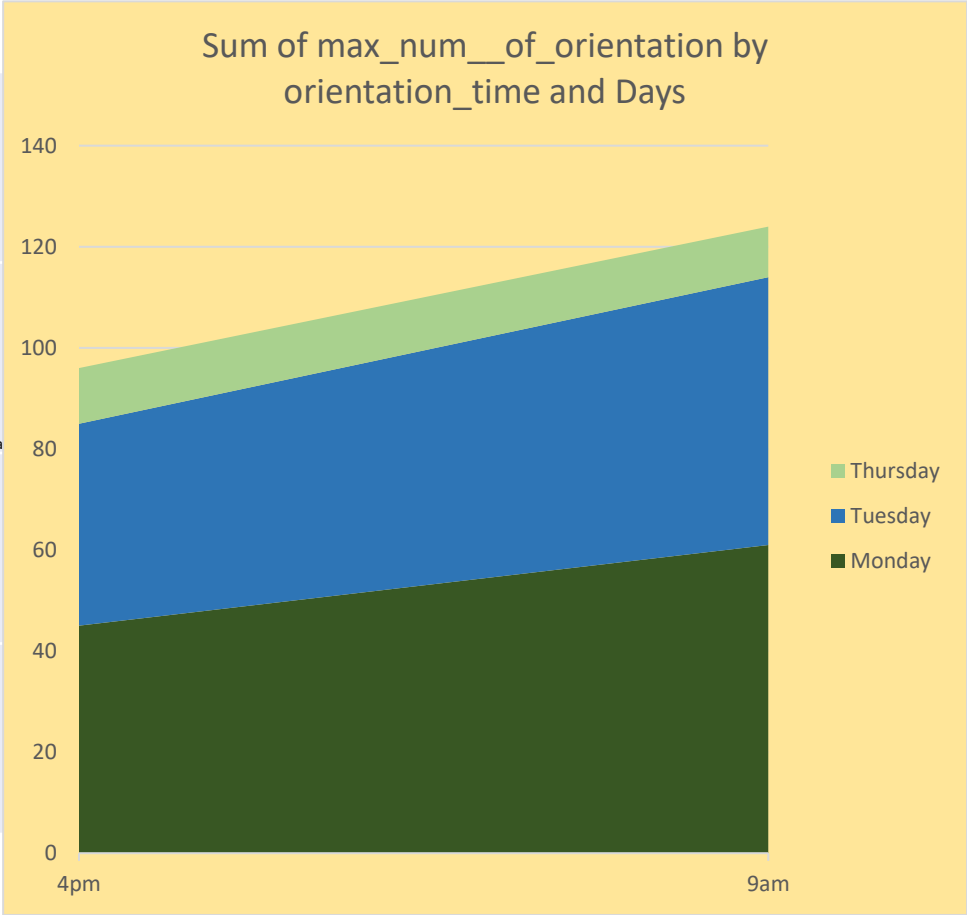
Orientation_time	Sum of max_num_of_orientation
4pm	96
9am	124



Stacked area Chart of sum of students assigned for orientation vs time and days.

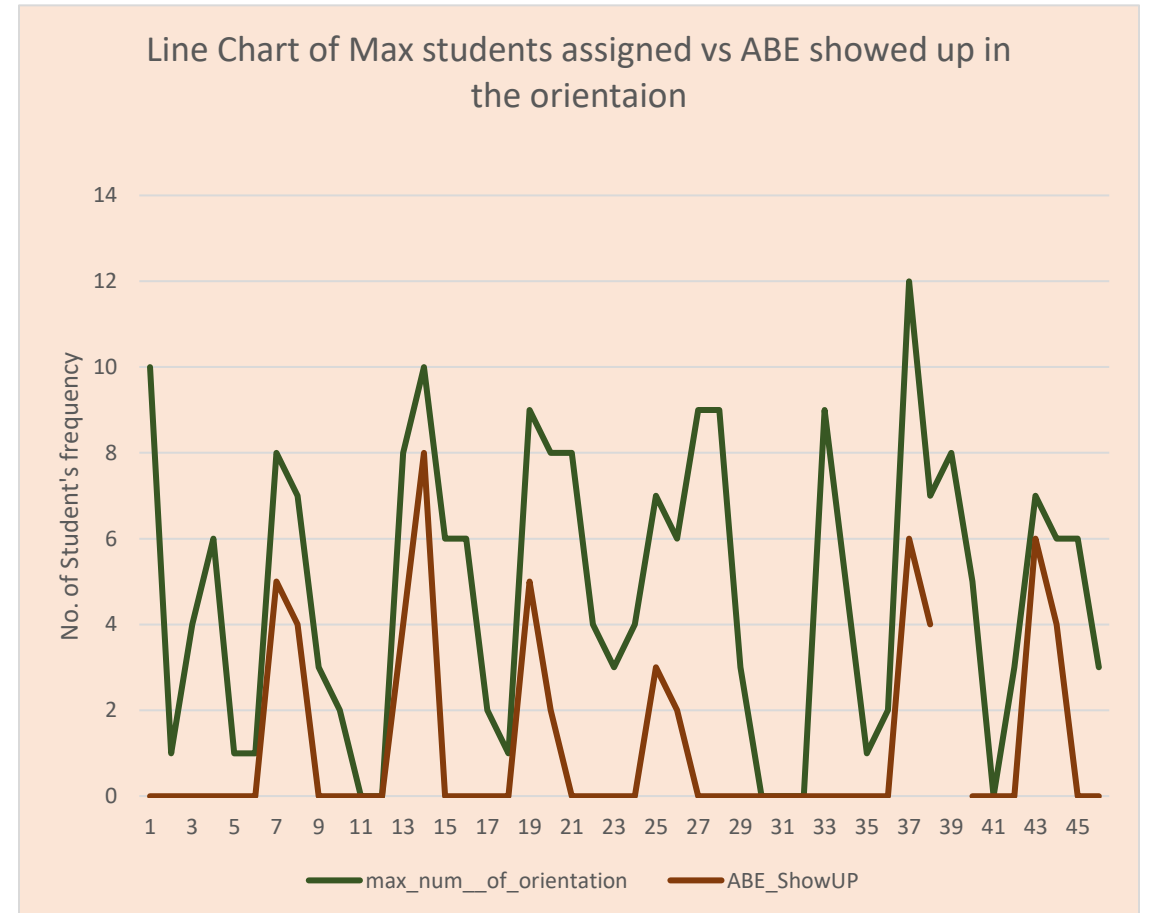
Here we use three attributes to show the comparison between days and times with the maximum assigned students for the orientation. Mondays and mornings are the slight winner than the Tuesdays and evenings.

Sum of max_num__of_orientation	Days		
orientation_time	Monday	Tuesday	Thursda
4pm	45	40	
9am	61	53	



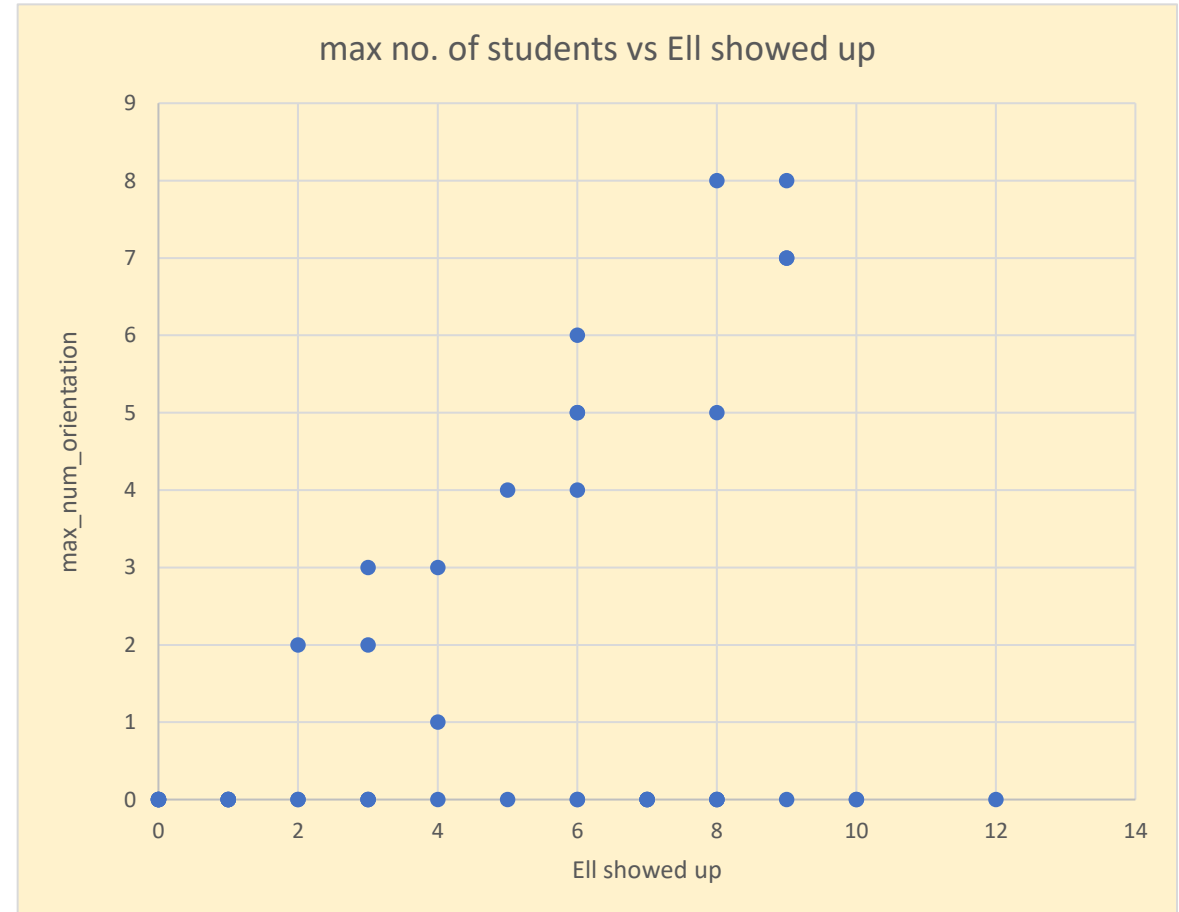
Line chart of maximum number of ABE students vs the number that showed up

We called maximum students for the orientation, but all students didn't attend the orientation, most of the time none students show up. In the last slide we will compare all students group and analyze which group shows up highly in the orientation



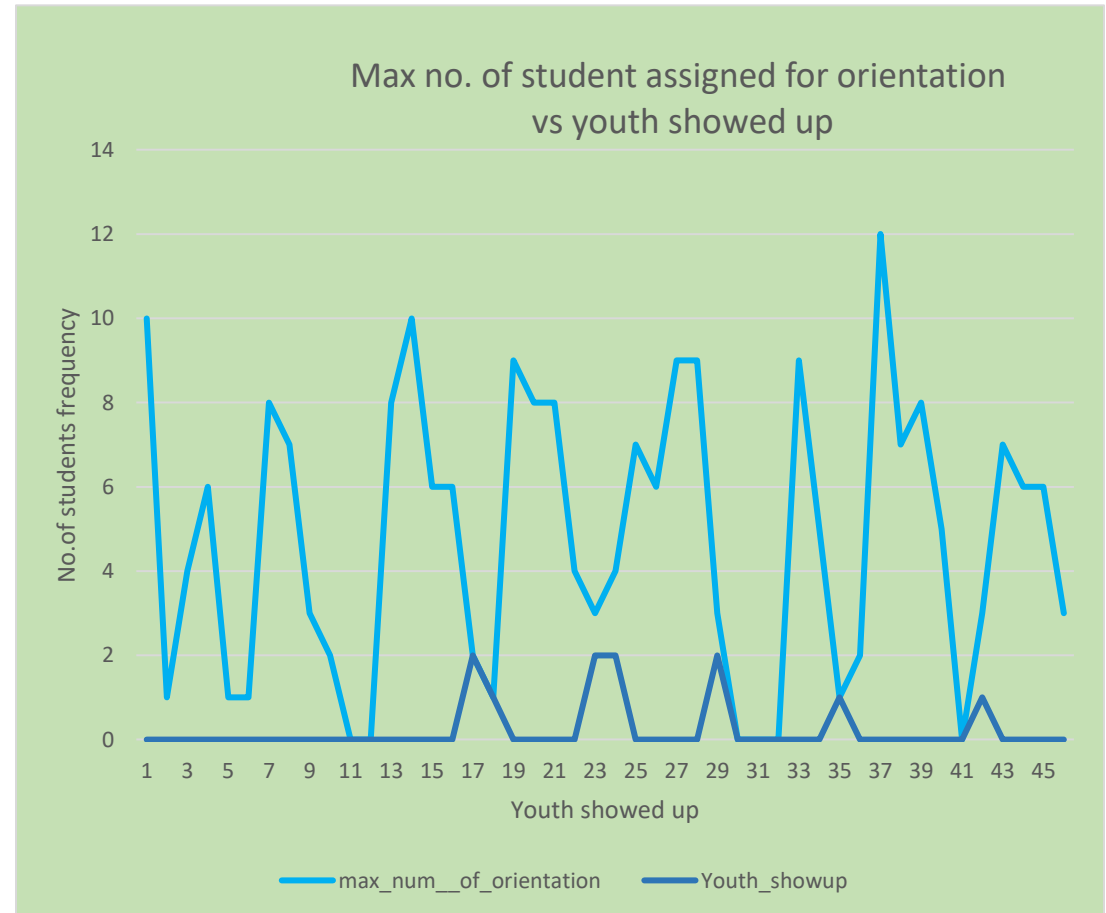
Scatter plot of maximum number of student assigned for the orientation vs ELL(English learner language) showed up

- In the scatter plot we can all assigned students showed up to the orientation. Those zero values in the scatter plot belong to the other group. maximum number of students are 8, those who attended the event.



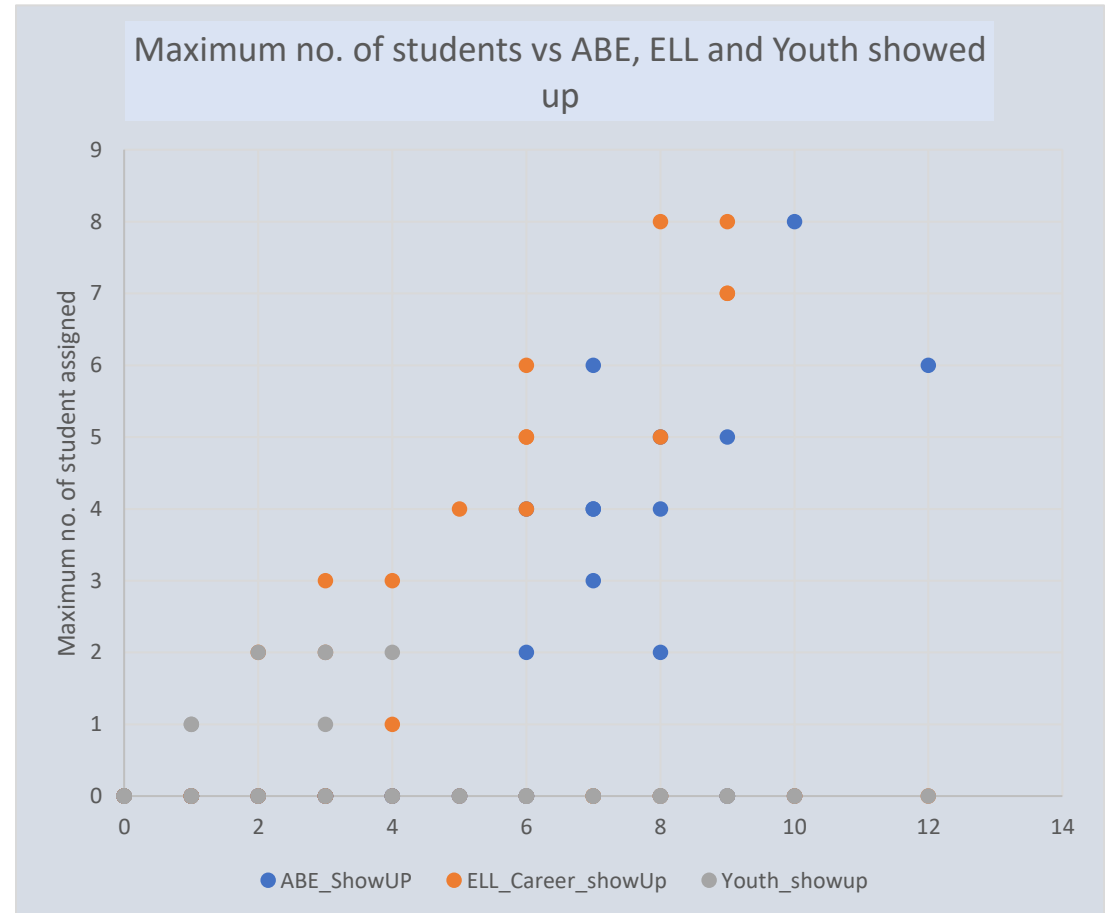
Maximum number of students assigned for the orientation vs youth showed up.

In that line chart is showing that participating students in the orientation are very few. Maximum assigned students were 9 and showed up 2. Maximum time zero students showed up.



Maximum number of students assigned vs ABE, ELL and Youth showed up.

Here is comparison scatter plot of ABE, ELL and youth those who showed up to the orientation. Least assigned and showing up students are Youth group. ELL group showed up maximum number of students for the orientation.



Conclusion:

For this project, data was collected from the orientation schedule sheet. The main purpose for this project was to analyze what day students are showing up most and which day is least. From the visual and exploratory analysis showed that Thursdays are least busy day while Mondays are most busy day, however, the total number of ELL groups showed up highly. Mornings were busier than evenings. As a result, we can say that Mondays and Tuesdays are the most productive days for institute.