10 - week Activity Plan

Week 1 (May 23rd, 2022 - May 28th, 2022)

Event: Firestone Legends Day
Address: Indianapolis Motor Speedway, 4790 W 16th St, Indianapolis, IN 46222
Date: Saturday, May 28th, 2022
Detail: Firestone Legends Day is a special day that honors immortal drivers and machines, it also features autograph sessions with current and past drivers and we get to witness historic car laps in the Motor Speedway!

Weekly Dinner at Restaurant: Vida
Address: 601 E New York St, Indianapolis
Date: Monday, May 23rd, 2022
Time: 6:00pm

Week 2 (May 29th, 2022 - June 4th, 2022)

Weekly Dinner at Restaurant: Subito
Address: 34 N Delaware St, Indianapolis
Date: Thursday, June 4th, 2022
Time: 6:00pm

Week 3 (June 5th, 2022 - June 11th, 2022)

Event: Steel Magnolias
Address: The Indiana Repertory Theatre, 140 W. Washington Street, Indianapolis, IN 46204
Date: Sunday, June 5th, 2022
Time: 2:00pm
Detail: Watching a theater show, Steel Magnolias in The Indiana Repertory Theatre. Steel Magnolia was an off-Broadway hit before it was turned into a movie. The show is about six women from all walks of life, living in a small town, celebrating their everyday joys and tears, in their favorite salon.

Weekly Dinner at Restaurant: Kuma's Corner
Address: 1127 Prospect St, Indianapolis
Date: Friday, June 10th, 2022
Time: 6:00pm

Week 4 (June 12th, 2022 - June 18th, 2022)

Weekly Dinner at Restaurant: Harry & Izzy's
Address: 153 Illinois St, Indianapolis
Date: Friday, June 17th, 2022
Time: 6:00pm

Week 5 (June 19th, 2022 - June 25th, 2022)

Event: Comedy Sportz
Address: 721 Massachusetts Avenue
Date: Thursday, June 23rd, 2022
Time: 7:00pm - 8:30pm
Detail: Comedy show where two teams compete with one another in an audience interactive way.

Weekly Dinner at Restaurant: Livery
Address: 720 N College Ave, Indianapolis
Date: Monday, June 20th, 2022
Time: 6:00pm

Week 6 (June 26th, 2022 - July 2nd, 2022)

Weekly Dinner at Restaurant: Bluebeard
Address: 653 Virginia Ave, Indianapolis
Date: Friday, July 1st, 2022
Time: 6:00pm

Week 7 (July 3rd, 2022 - July 9th, 2022)

Event: Carmel Fest
Address: One Civic Square & Carter Green, Carmel, IN 46032
Date: Monday, July 4th, 2022
Detail: Central Indiana's favorite festival for celebrating Independence day, July 4th! Enjoy spectacular fireworks.

Weekly Dinner at Restaurant: Tinker Street Restaurant
Address: 402 E 16th St, Indianapolis
Date: Friday, July 8th, 2022
Time: 6:00p

Week 8 (July 10th, 2022 - July 16th, 2022)

Weekly Dinner at Restaurant: 10th Street Diner
Address: 3301 E 10th St, Indianapolis
Date: Friday, July 15th, 2022
Time: 6:00pm

Week 9 (July 17th, 2022 - July 23rd, 2022)

Event: Monkeys tail karaoke bar
Address: 925 E. Westfield Blvd. Indianapolis, IN 46220
Date: Saturday, July 23rd, 2022
Detail: Sing your hearts out in this Karaoke bar!

Conference: Indianapolis CyberSecurity Conference
Address: Indianapolis (Exact location TBD)
Date: Wednesday, June 20th, 2022
Time: TBD

Weekly Dinner at Restaurant: Axum Ethiopian Restaurant
Address: 825 N Pennsylvania St, Indianapolis
Date: Monday, July 18th, 2022
Time: 6:00pm

Week 10 (July 24th, 2022 - July 31st, 2022)

Weekly Dinner at Restaurant: Tlaolli
Address: 2830 E Washington St, Indianapolis
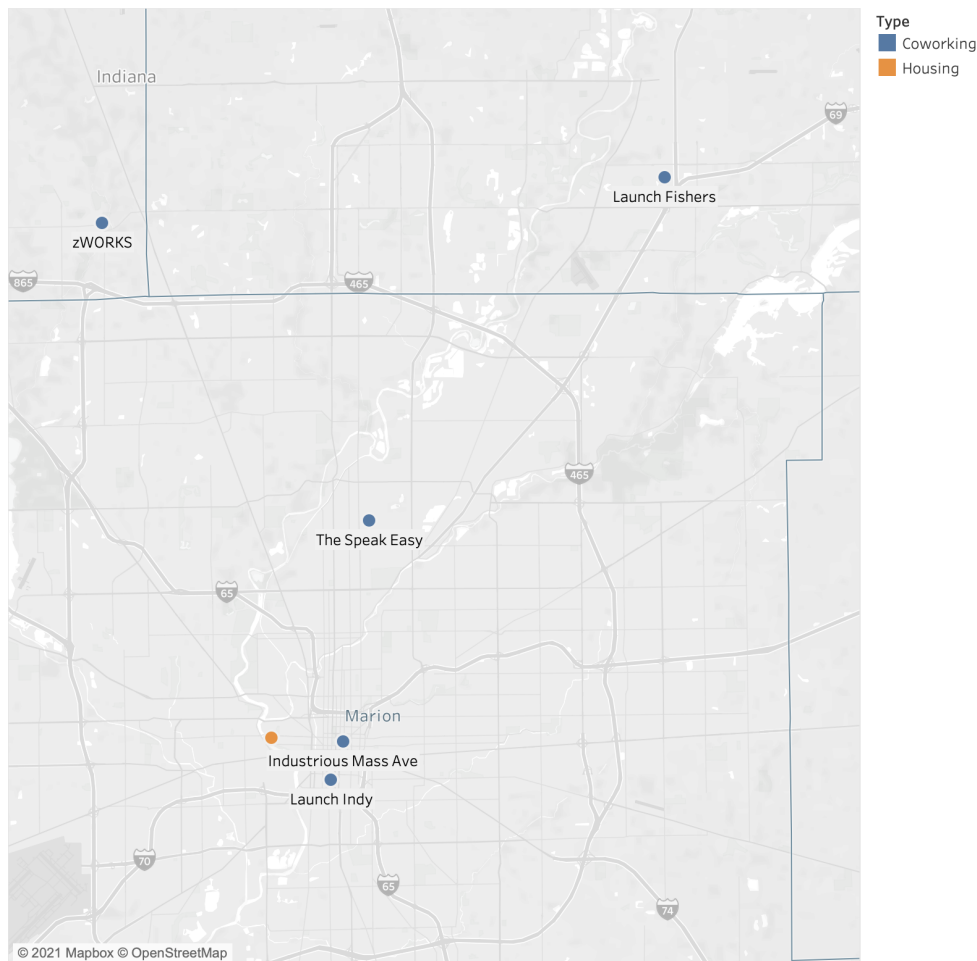**Date:** Sunday, July 31st, 2022
Time: 6:00pm

Analysis

Choosing Coworking Space:

For me, the main requirement for choosing a coworking space was that it needed to be closer to the Housing. Housing to Coworking space and vice versa will be the most frequently traveled destinations. The least amount of time dedicated to this travel period will increase our XTern participants' efficiency and flexibility. Moreover, we need to be mindful that not all XTern participants have a car or driving license. So finding a place that is either a walking distance, a cycling distance, or has a bus route is essential.

Therefore I created the Tableau plot below, with all the Coworking locations and Housing:

Housing and workspaces

Map based on Longitude and Latitude. Color shows details about Type. The marks are labeled by Name. Details are shown for Name.

In the chart above, we can see that Industrious Mass Ave and Launch Indy are the two Coworking Spaces closest to the housing Space. However, I wanted to see how long it takes to travel from Housing to all the Coworking Spaces, so I created the table below:

Name	Distance from housing (miles)	Time taken to cycle (mins)	Time taken to walk (mins)	Time taken in a car (mins)	Time taken in a bus (mins)
The Speak Easy	7.4	44	140	18	50
zWORKS	18.1	79	286	27	not available
Launch Fishers	22.4	116	386	31	not available
Industrious Mass Ave	2.7	12	35	9	25
Launch Indy	2.4	15	43	8	32

This table shows that it is impractical to travel to at least two Coworking spaces (zWorks and Launch Fishers) without a car since there are no bus routes, and it would take more than an hour to cycle and more than three hours to walk. So these working spaces were a big no.
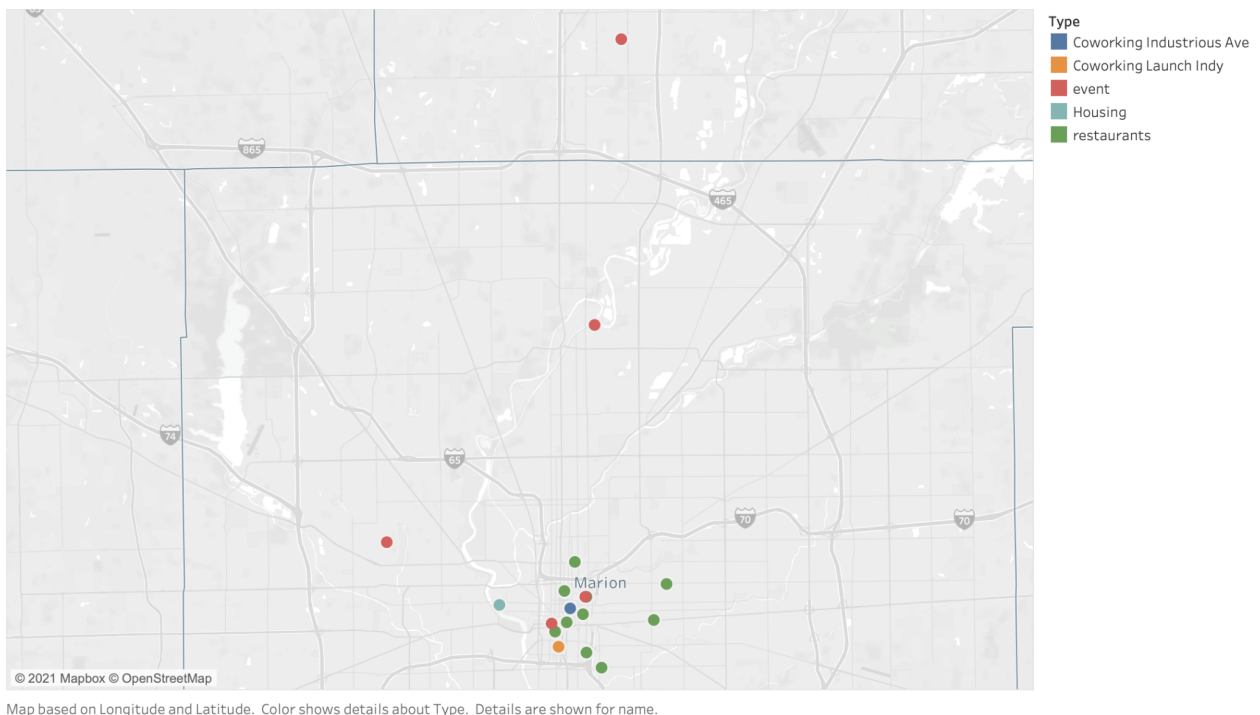
The other three Coworking spaces, the Speak Easy, Industrious Mass Ave, and Launch Indy, all have bus routes. However, spending 50 minutes on each ride to and from a Coworking space is still a lot, so I decided to choose between Launch Indy and Industrious Mass Ave.

Industrious Mass Ave and Launch Indy are both very close to Housing. It is practical to ride a bus or bike to and from the Housing. However, Industrious Mass Ave is the perfect Coworking space, as you can not only ride a bus or bike, but you can also walk to your Housing. Industrious Mass Ave seems to be the most efficient location amongst all. It is only 12 minutes bike ride, 25 minutes bus ride and a 35-minute walk compared to Launch Indy, which is 15 minutes bike ride, 32 minutes bus ride, and 43 minutes walk. The biggest pro of Industrious Ave is that the Xtern participants will have an option to walk to their Coworking

space, increasing their efficiency as they do not have to worry about transportation and allowing them to save their money.

Moreover, the chart below contains all the Bi-weekly events, weekly restaurants for dinner, Housing, and the two COworking spaces. This chart shows that Industrious Ave (Blue point) seems to be closer to most of the events (red points) than Launch Indy (Orange point).

Restaurants, Housings and Events

Map based on Longitude and Latitude. Color shows details about Type. Details are shown for name.

Choosing Restaurants:

While choosing ten restaurants, I again wanted to be mindful of the distance, so I collected data of 60 restaurants within 5 miles radius of Industrious Mass Ave. Then, I calculated the Bayesian average for all the 60 Restaurants. The Bayesian average slightly lowers the artificially high rating of restaurants with fewer than a threshold of rating. It slightly increases the rating of restaurants with more than a threshold of rating. For the threshold, I calculated the first quartile of the number of ratings for each restaurant. After calculating the Bayesian average, I ranked all the 60 restaurants according to the Bayesian average and then picked the top

10. These are all restaurants with good ratings with a good amount of customer reviews.

Choosing Events:

I looked for different categories of events, so I have very diverse events, from a Fest to a Karaoke night. I did not focus on the distance from housing or coworking space because we only have five events in total, so doing a carpool would be practical.

Tableau link:
https://public.tableau.com/app/profile/irisa2031/viz/datasciencexternProject/Story1?publish=yes