

**Prompt: A one pager (PDF) describing the problem or question and the proposed data set**

For this final problem set, I want to explore a set of data from Meetup.com. Meetup is a service used to organize online groups that host in-person and virtual events for people with similar interests. Users usually use the website to find friends, share a hobby, or for professional networking. I am an introvert but because of the pandemic I long for social interaction and joined a group in Seattle as its organizer. I organized a ton of events this past summer and was interested in obtaining information about these events to see what sort of conclusion or prediction for future events I can draw.

Some of the questions I have in mind include:

1. What kind of events draw the most reservation? Board games? Karaoke? Hiking?
2. What day of the week is the most popular?
3. What time of the day do most members RSVP?
4. How many events have we had in total in the past years? Are we collectively becoming more popular as a group?
5. Are members more inclined to join events that are relatively more popular? What are some of the most popular events and what do they have in common?
6. When members RSVP for an event, the data should provide information about this time. Is there a time that is more favorable to announce an event?
7. What is the mean and standard deviation of events that each organizer hosts? Are there any patterns?
8. Seattle has many districts and events are scattered everywhere in different townships. Which areas or venues are more popular than others?

The proposed data set will come directly from Meetup using their console interface ([https://secure.meetup.com/meetup\\_api/console/?path=/:urlname/events](https://secure.meetup.com/meetup_api/console/?path=/:urlname/events)). Meetup API used to be free but not anymore. You'll need to pay for the Pro edition to use their API. But, they do have a free interface to only make GET requests up to a response payload of 500 objects. It provides simple RESTful HTTP and streaming interfaces for exploring and interacting Meetup platform. This assignment will entail cleaning up and wrangling the extraneous data and parsing it to a data warehouse to explore and analyze.