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IS 452AO
2 Credit Hour
Week 9
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Final Project Proposal

1. **Project abstract:** I have been a music fan all of my life. I remember when I was little, my dad would blast his classic rock music around the house all the time. As I got older, I adopted those habits and would blast my own music in my room. My parents bought me my first boom box and over the years they would upgrade me to better sound systems. I went to my first arena concert when I was around 9 years old. The frequency in which I attended concerts increased exponentially when I moved to the United States at age 13. I found myself going to local shows in American Legions and churches, festivals, and, of course, arenas. It is truly one of the things I enjoy doing.

For my final project, I would like to utilize a collection of a few available datasets that pertain to concerts of one or more of my favorite acts. The research question that this data would help answer is not clear at the moment, however, my hope is that the data will reveal and inform a question that could be answered. It is assumed that any dataset about concerts would include, at the very least, the following pieces of data: artist's name, location of concert, and date of concert. There is a potential, depending on the artist, to explore data from multiple tours artists have gone on to promote their work at various stages of their career. The goal is to interpret and manipulate the data to discover a pattern or identify something very specific about the concerts of a particular artist.

2. **Expected deliverables:** The final deliverable that can be expected at the end of the project timeline will include a functioning program that will output valuable information about concerts that can be displayed or utilized in a useful way. Ideas being considered are a website that will display the process of the data processing or a data visualization.
3. **Midpoint deliverables:** By the midpoint of the project, I expect to have located several datasets that can be used for the final project. I also aim to have solidified a direction for the project as far as a research question and, most certainly, a final deliverable. I would also like to have written my weekly goals list (see below), a programming to-do list, and started programming.
4. **Project Process:**
 - 1) Look up datasets that can be used for the project.
 - 2) Find a common thread between the data that might inform a research question.

- i. Discuss this with Elizabeth to make sure that the project is substantial enough.
 - 3) Once a research question has been established, figure out the final deliverable that will represent this project.
 - 4) Make a weekly goals list to ensure that I'm progressing with developing the program and staying on track.
 - 5) Establish a to-do list, like we do in class, to keep the program manageable with smaller tasks.
 - i. If there are any necessary calculations, figure out the calculations on paper first before programming.
 - 6) While developing the program, concurrently work on the final deliverable.
 - 7) Totally rock out on the project and submit a complete final deliverable!
5. **Challenges:** The challenges that I foresee with this project are that I won't be able to find a dataset that I'm interested in processing. Since I don't have an actual research question to answer, I really have to be proactive with creating one to provide some direction for the project. I am also worried about making the program work to the standards that I set for the project. Adding a separate vehicle to display the project (i.e. website or data visualization) is just another component to the project that I have to be actively creating or at least mindful of during the process of developing a functioning program.