Music Festival Analysis
Teacher: Gabriel Castillo Cortés
Subject: Graphic Simulation
Members:
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Development Log:

May 1st:
As a team we started thinking about the next project, we took our interests into consideration in order to do something of our pleasure.

May 8th:
We decided to do something related to music festivals. Our first idea was to simulate the stages inside a festival, in order to get which bands attracted more people, this in order to get the information about the bands and its combination that were more efficient.

May 9th:
We did research about the data and found out that it was very difficult to obtain the data to make a correct analysis and simulation. Due to this, we needed to think again to make a project that is possible.

May 13th:
We talked with the professor about our new idea and it got approved. This idea was about making the data analysis of the Corona Capital festival, in order to see which type of bands get to move the highest numbers of people inside a music festival.

May 15th:
The first thing we made was to plan how the job was going to be divided, and how it was going to be made. All the data we needed to get and how it was going to be processed.

May 16th:
The data mining started by getting information from API's and started to get it to support our analysis. We did find an api that worked for us, but it was needed to pay in order to use it.

May 17th:
We completed the data mining by getting the information from three different years and information about its listeners, genres and popularity.

May 18th:
We started analyzing the information and getting the percentages of all the monetary income and people that attended each event came to see each band by using their followers and the total number of money and attendees.

May 20th:
After getting the data analysis, we finished the graphs in order to present in a nicer way the information we obtained.

May 21th:
We checked and solved minimal errors.

Conclusions:

The project made us realize that data analysis is not as easy as it seems. At first sight it might look as just taking some data and putting it into a formula to "predict" what's coming after. But the real challenge comes when you enter the real world. First of all, getting real, useful information isn't easy, later on, there's a lot of trash info that only disturbs your mind and it won't help you in anything you plan to do. Later on, the next thing is that there's no magic formula for what you are planning to do, because, if it already exists, this means someone has already done it. So, if you want to create the latest model and create something, it will be hard to develop the formulas and decide which parameters have more weight. Also, the information shown is not that easy, because you need to start to think about a color palette, the graphs that help to show them in the best way and show it in a useful way.

Personal reflection:

Ximena:

The Data mining process was very interesting and challenging at first. It was really interesting to work with real data because it gave us a better understanding of the real life applications of the class' topics, but finding actual useful and free data was a challenge with the time restrictions. I also learned the value of finding a nice way to display data so it is easier for people to analyze it and the importance of visual diagrams such as graphs in this area. Overall I enjoyed developing this project since we were able to design it ourselves around a topic that we like.

Eduardo:

This project helped me to identify several aspects of the data analisis. First of all, data mining is either very easy but costs a lot. (The api we needed existed, but the lowest plan they had was at the price point of $200 dollars) Or is very hard and takes a lot of time. But this also helped me to get that data is everything, with a good data analysis you can make predictions, get behaviors and see tendencies. Finally, I really liked how we did teamwork this time.

Natalia:

This project was challenging from data mining to analyzing and displaying the data in the dashboard. It was interesting because we really tried to apply what we learned in the class to perform a data analysis that would be useful in a real context. I think we had good team communication during the project and that made it easier for us to understand where we wanted to go and optimize the time we had.

Resources:
- https://developer.spotify.com/documentation/web-api
- https://www.milenio.com/negocios/corona-capital-festival-de-ocesa-ganancias-de-mil-511-mdp
- https://doc.api.soundcharts.com/api/v2/doc