

### **Last Week's Accomplishments**

I've researched different meta data tags and sets that have been used in the project so far. I've been able to identify song generics and Spotify's genre tagging. I also started to take more notes on different Data Visualization fundamentals. I'll include the link to my training GitHub at the bottom of the section. There's a lot of new resources that I added and went through that have been attached to the appendix. I as well started to add to my data visualization tutorial section that I will be going through this week.

I went through multiple different ways of displaying data and csv's in Python. A brief overview of what I was able to do was displaying data with Matplotlib and plotly. So I started with reading in with csvs. Then used Matplotlib to draw a scatter Chart and Line chart. I also looked into using Histograms. The bar charts were pretty straightforward and didn't give me any troubles when I was doing it.

I followed along with Pandas Visualization to create a Scatter Plot and Line Charts. Some of the graphs were simply made with a single line of code which was really easy and intuitive. There were some tutorials on Seaborn that I was looking into as well. It was very similar to Matplotlib which was useful.

<https://github.com/willim15/MxM-Learning-Resources>

### **This Week's Plan**

I started looking into Heatmaps and saw their use cases in machine learning. So I'm interested if I can maybe incorporate that into our project. Also I some tutorials with reference to Bokeh and I'm interested in attempting to do some Interactive Visualization. I saw that some programs required a paid license so I'm containing my search for coding methods of display.

As well just read more about machine learning Visualization because I feel like I have some basic experience now after the tutorials and methods which is good.

### **Anything Blocking?**

It's not blocking but since a lot of data visualization is new to me there's a small amount of background information that I need to build upon. The other thing that is blocking is that it's hard to get in contact with John who is the graduate that's leading the project. It's not always straight forward or easy to communicate with him because he has his own schedule and questions aren't always answered.