1. What is your group #?

**Group #20.**

1. Have you met/communicated with your fellow teammates?

**Yes, our group meets in person on weekends at 9am in Cambridge. We have met once specifically for the final project on Sunday, October 20th. We have also set up Slack for communication throughout the week and are considering options for sharing notebooks and/or other work remotely.**

1. Have you met/communicated with your assigned TF? If not, please provide a reason.

**Yes, we met Rashmi Banthia in Zoom. We reviewed our general approach and some ideas on how to proceed. She shared some additional data about the project as well as some reading on recommender models.**

1. Has your team formulated a well-defined question to address in your project, based on the project description and references? If so, please write down the question. If your team hasn’t done this yet, that’s okay!

**At its core, the project seeks to answer the question:**

**“How do I generate the ultimate playlist for a listener?”**

**More specifically, the project seeks to answer the above question *given* some user-provided “context”. “Context” is not yet 100% defined, but will likely be some combination of songs, genres, artists, albums, “mood”, or other information, which can be further parsed into more granular data points like tempo, “acoustic-ness”, danceability, and other attributes. The context acts as a primer for a playlist of song recommendations. How the user *provides* context is out-of-scope for this project; it could be as simple as a few song preferences (perhaps even the last song played, e.g. a “cold start”), or as lengthy as a user’s played history. Other questions to explore may include:**

**-What predictors (song attributes, similar song lists, etc.) should we use to build a playlist?**

**-How does the length/depth of “context” impact song prediction and playlist generation?**

**-How does one assess the “accuracy” of playlist generation?**

1. Briefly describe your team’s plans for work to be completed by Nov 20th (tentative milestone three). Please assign specific tasks to team members and deadlines for when these tasks are to be completed. For example,

|  |  |  |
| --- | --- | --- |
| **Task** | **Assigned to..** | **Deadline** |
| Preliminary parsing & exploration of staff-provided "songs" data in conjunction with Spotify API | Erik & Mark | 30-Oct |
| Preliminary parsing & exploration of LastFM "million song dataset" | Ankit & Tyler | 30-Oct |
| Preliminary parsing & exploration of lyrics data set | Erik | 30-Oct |
| Share individual findings and decide on strategy for creating a central, consistent data set from which to model & work | Group | 2-Nov |
| Individual tasks to generate central data set assigned | Group | 2-Nov |
| Central data repository generated | Tyler | 9-Nov |
| Get consensus on a revised project goal | Group | 9-Nov |
| Write summary of EDA | Mark | 9-Nov |
| Individual tasks to generate baseline model assigned | Group | 9-Nov |
| Write revised project goal | Ankit/Erik | 15-Nov |
| Model findings discussed & finalized | Group | 16-Nov |
| Rough draft of submission assembled | Group | 16-Nov |
| Submission revised & finalized with group signoff | Mark + Group | 19-Nov |
| Milestone 3 submitted | Tyler | 20-Nov |

**As of 10/24, our group has been able to put the Spotify Playlist CSV files into a single SQLite database. An API to this data has been created as well as a simplified front-end to the Spotify API. We are continuing review of the LastFM data. We plan to add fields to the SQLite database that we feel are valuable to playlist generation and to finalize this database by November 9th.**