Overview

Weeks 5, 6, &7 - **November 25th - November 27th:**

- Importing the already retrieved Amazon dataset into existing recommender systems and understand the environment in different applications we are using. We will also read more existing documentation on how to import the dataset and how to use, experiment, and apply recommender system applications. This will be useful later on when we create our own definition of compatibility to create our own recommender system application.
- Keep track of notes about key findings and important relevant articles on previous recommender systems and how ours is different.
- Update our thesis content to reflect previous recommender systems and how ours will compare in the future.
- Make corrections to first installment if requested.
- Create draft content for second installment and progress report submissions. Include experiments with existing recommender systems and readings on these previous recommender systems. Make changes if applicable.
- Created notes about project presentation information. This should include previous research articles about existing recommender systems, current research proposal, and experiments done with existing recommender systems and how our research will compare with these existing systems. Created speech for presentation.
- Schedule project meetings with Dr. James Caverlee (faculty advisor) and Yin Zhang (graduate student advisor) weekly to discuss research progress and written thesis content, project presentation information, installments, progress reports, and findings from our experiments and readings.

Schedule

Tuesday, November 28th, 2017 Notes:

- Finished keeping track of notes about key findings and important relevant articles on previous recommender systems and how ours is different.
- Already made first installment corrections.
- Kevin is reading http://cseweb.ucsd.edu/~jmcauley/pdfs/kdd15.pdf and annotating our findings. We understand the difference between previous research on recommender systems and how our research to create a new recommender system based on compatibility is different by noting it in our findings.

Wednesday, November 29th, 2017 Notes:

- Submitted abstract for our project along with an application to the Undergraduate Research Scholars Symposium. Our time slot is a poster presentation from 3-4PM on Wednesday, February 28th.

Friday, December 1st, 2017 Notes:

- Finished all categorization of compatibility relationships in the electronics database. We noted pairs of categories and the type of compatibility relationships between them. This can be found here: https://docs.google.com/spreadsheets/d/1mtD7vA-PlaeL-kDYPZ4gclI8MqrieFjY_Ym9314gGkQ/edit?usp=sharing

Saturday, December 2nd, 2017 Notes:

- Update our thesis outline based on what methods we used to import data and where we currently store that data for later experiments.
- Think more in depth about research question and describe even further what is means to be compatible based on literary articles.