

# INFO 5612 Project Proposal

Fall 2023

Team name:	Fresh Finds
Student names:	Lucas Derr It's just me, if you would prefer me to work in a group, let me know and I can reach out to people.
Date:	October
This is a revised proposal:	No, original proposal
General area / topic:	Album recommendations. I want to be able to generate a recommendation model that helps me go record shopping for my dad :)
Data source (URL):	<a href="https://www.upf.edu/web/mtg/mard">https://www.upf.edu/web/mtg/mard</a> : I will try this one first  These are backup plans: <a href="https://www.kaggle.com/competitions/msdchallenge/data?select=kaggle_songs.txt">https://www.kaggle.com/competitions/msdchallenge/data?select=kaggle_songs.txt</a>  <a href="https://www.aicrowd.com/challenges/spotify-million-playlist-dataset-challenge">https://www.aicrowd.com/challenges/spotify-million-playlist-dataset-challenge</a>  <a href="https://www.kaggle.com/datasets/kauvinlucas/30000-albums-aggregated-review-ratings">https://www.kaggle.com/datasets/kauvinlucas/30000-albums-aggregated-review-ratings</a>  <a href="https://www.kaggle.com/datasets/nolanbconaway/pitchfork-data/code">https://www.kaggle.com/datasets/nolanbconaway/pitchfork-data/code</a>
Recommendation method(s):	<ul style="list-style-type: none"><li>- Try the methods we have learned in class so far:</li><li>- Latent factor model</li><li>- BPR</li><li>- SLIM</li><li>- Some of the approaches from Lab 2</li><li>- Other approaches that I will research/stumble upon as immerse myself in the project</li></ul> <p>I imagine a bulk of the project will be spent interpreting the system and utilizing the many evaluation metrics we have studied.</p>

Recommendation tools / platform, if using:	I'll start with Surprise and Recmetrics. Depending on how much I want to experiment, I might use more.
References to scholarly papers (Use scholar.google.com to find)	(1) <a href="https://www.mdpi.com/2079-9292/10/13/1555">https://www.mdpi.com/2079-9292/10/13/1555</a>
	(2) <a href="https://www.frontiersin.org/articles/10.3389/fams.2019.00044/full?ref=https://githubhelp.com">https://www.frontiersin.org/articles/10.3389/fams.2019.00044/full?ref=https://githubhelp.com</a>
Responsible recommendation aspect	<div> <input type="checkbox"/> Security <input type="checkbox"/> Privacy <input type="checkbox"/> Transparency <input type="checkbox"/> Fairness <input type="checkbox"/> Accountability <input type="checkbox"/> Other </div> <p>Security - I'll do research on deployment and keeping the recommendation system secure. I'm sure I will also discuss all of these other things though, so it feels weird to commit to one right away.</p>