

## **Capstone Project Proposal**

There aren't as many book recommendation services as there are for other forms of media; such as movies and music. The few recommendation services that are on offer really only lead to more recommendations by the same author or genre. This greatly limits the level of service that websites such as Goodreads provide to their community. With "this" recommendation system, it will increase the potential for cross-genre recommendations, which will engage their community more, which will drive more traffic to their site.

I will be using the Goodreads API that provides access to 10 million reviews across 700,000 titles. I will then filter down the data to users that have submitted at least twenty reviews in order to build "user profiles"

I will first run an exploratory analysis that will tell me more about the data. I will run two different models and see which is better. With the goodreads Api I will filter down the data to users that have submitted at least twenty reviews in order to build "user profiles".

The deliverables for the project will be a recommender system that people can choose certain aspects about a book they like, ie the theme or time period, and other books will be recommended that are from different genres.