

# Recommender Systems

## Assignment 5

### 1. One idea that I like and why:

Firstly, I would like to say that there were many good ideas for calculating disagreements between the users and include them for calculating the ratings for the movies in a group. As a Data Science student, I prefer using statistical methods to calculate the disagreements between the users. So the preferred idea is to use the variance to calculate the disagreements between the users of similar movies (many people have done it in different ways). The meaning of "variance" is "the fact or quality of being different, divergent, or inconsistent". The meaning of variance suggests why it is a good measure to calculate the disagreements between the users and the group recommendations. It is also much simpler and easy to understand and implement.

### 2. One idea that you think that in practise cannot easily work and why:

The one idea I think that in practise cannot easily work is using the maximum time a user is willing to spend on watching a movie. This is a very unique idea I saw in the presentations but I think it is difficult in real word practice, as it would require to have the running time length of each movie the user has rated, then calculate disagreements and should be done for all the members in the group. I also think that using the movie length to calculate disagreements between the users in the group would not be a great measure. For example: If a user has provided highest rating for a particular movie "A", and just because the movie length is too less or too big, it might not appear in the group recommendation even if the other members in the group recommended it. This is just my suggestion based on the understanding I have, and I might be missing few things to consider which would resolve the issues mentioned or it can be developed entirely in a new way.