

PROBLEM STATEMENT

Welcome to week 3 of the Internship Program (IP) 2021-22. I hope you guys are enjoying the experience of the Internship so far. In this week, you need to work on building an LP3 project for Machine Learning.

Building user-based Movie recommendation model.

The dataset provided contains movie reviews given by customers. Reviews were given between May 1996 and July 2014.

Data Considerations:

- All the users have not watched all the movies and therefore, all movies are not rated. These missing values are represented by NA.
- Ratings are on a scale of -1 to 10 where -1 is the least rating and 10 is the best.

Analysis Task:

Recommendation Model: Some of the movies hadn't been watched and therefore, are not rated by the users. Netflix would like to take this as an opportunity and build a machine learning recommendation algorithm that provides the ratings for each of the users.

- Divide the data into training and test data
- Build a recommendation model on training data
- Make predictions on the test data
- Give the Recommended movie to the user who has watched movie1.

Dataset:

https://cloudcounselage0-my.sharepoint.com/:u:/g/personal/welcome_cloudcounselage_com/EQsg_MhQMbZBiZOfi_Rlv8wBoucxDGhwUBAttIongcxeiw?e=CvzSRt

Note:

The LP3 project will be judged based on the ability and accuracy of the algorithm to perform the expected task.

All the best!!