## Recommendation System

[This problem may have been done in the class. Whatever the instructor taught you supersedes the following]

**Design a movie recommendation system like Netflix**

\* Design a recommendation system for recommending relevant content to users on Netflix

\* Propose a couple of algorithms/models would you use for building a recommendation system [Hint: use a collaborative filtering algorithm]

\* Assume we have several billion item ratings from members

\* Each item in our catalog has rich metadata such as actors, director, genre, parental rating, or reviews

\* Focus on main use cases : cold start problem, displaying recommendations to users

Reading pointers:

[http://xavier.amatriain.net/pubs/BigAndPersonal.pdf](https://proofpointisolation.com/browser?url=http%3A%2F%2Fxavier.amatriain.net%2Fpubs%2FBigAndPersonal.pdf)

[https://en.wikipedia.org/wiki/Netflix\_Prize](https://proofpointisolation.com/browser?url=https%3A%2F%2Fen.wikipedia.org%2Fwiki%2FNetflix_Prize) [This competition was all about building a recommendation engine for Netflix]