In order to implement our recipe recommendation system, we will use a mixture of collaborative and content based filtering. In collaborative methods predictions of future interactions are only based upon past interactions. All interactions are stored in an interaction matrix. In our case, we have a both user to recipe interactions and ingredient to recipe interactions. Because of the size of our data, it is infeasible to try memory based models. Thus, we will try a variety of matrix factorization based approaches such as Singular Value Decomposition, Latent Dirichlet Allocation and Word2Vec in order to represent the interactions. We will aggregate these features with the given features such as calories and prep time under a single model. We will try some complex models such as Random Forest, XGBoost and Neural Networks.