**Perform some movie recommendations and analysis for user 2**

* How many movies has this user watched?
* Plot a bar chart of their movie ratings. The bar chart should be the counts of the number of unique ratings.
* Hint: the `sort\_index()` function from pandas might be helpful to make the bar plot look nicer.
* What are some of user 2's top movies?
* Hint: to get the actual movie titles, you can use pandas merge function, although using the movie IDs is OK too.
* Find the most similar user in the movielens dataset to user 2 using at least 2 distance metrics. Be sure to use cosine distance as one of your choices.
* Recommend a few movies for user 2 using similarity metrics.
* Do the recommendations from this method make sense?
* Write a short analysis of the results, and justify which similarity metric(s) you used.

**Optional challenges**

* Perform other analyses (e.g. EDA, visualizations) of the movies watched from this dataset, or from a bigger part of the dataset for the movielens dataset
* Add yourself as a user in the data with ratings for movies you've watched, and find recommendations for next movies to watch.
* Use a more advanced collaborative or content-based recommender to make recommendations (e.g. using the surprise package in Python)
* Try making predictions for user 2. How do they compare with our basic model?
* Add your own movie ratings, or use another recommender dataset and add your own preferences, then get recommendations for yourself