	Ideal Score	Wid Sogata and James Tsai Movie Lens Recommender Score	Instructor Notes
Total Points	20	18.8	
Total Percentage	100	0.94	
Exceptional	10	5	Loved the incorporation of user and item side features. Good investigation into both.
Describe the purpose of the data set you selected (i.e., why was this data collected in the first place?). How will you measure the effectiveness of a good algorithm? Why does your chosen validation method make sense for this specific dataset and the stakeholders needs?	10	10	perfect!
Describe the meaning and type of data (scale, values, etc.) for each attribute in the data file. Verify data quality: Are there missing values? Duplicate data?	10	10	
Visualize the any important attributes appropriately. Important: Provide an interpretation for any charts or graphs.	10	9	Good, but averages here can be deceiving. The highest average rated movies should also have anough ratings to be considered
Eval: Train Model and Explore Params: A) Perform cluster analysis using several clustering methods B) Create frequent itemsets and association rules, C) Create user-item matrices or item-item matrices using collaborative filtering	10	10	Lots of params and models explored.
Eval: Visualize Results. A) How did you determine a suitable number of clusters for each method? Use internal and/or external validation measures to describe and compare the clusterings and the clusters (some visual methods would be good). B) Use tables/visualization to discuss the found results. C) Use tables/visualization to discuss the found results. Explain each visualization in detail.	10	10	Precison/recall
Eval: Evaluate Performance Correctly. A) Use internal and/or external validation measures to describe and compare the clusterings and the clusters (some visual methods would be good). B) Use several measure for evaluating how interesting different rules are C) Determine performance of the recommendations using different performance measures	10	10	I think you are spot on in using precision and recall curves. They relate back perfectly to the business case and are informative.
Eval: Describe your results. What findings are the most compelling and why?	20	20	Lots of great discussion here. Item-item on this data is tough to beat.
Be critical of your performance and tell the reader how you current model might be usable by other parties. Did you achieve your goals? If not, can you reign in the utility of your modeling? • How useful is your model for interested parties (i.e., the companies or organizations that might want to use it)? • How would your deploy your model for interested parties? • What other data should be collected? • How often would the model need to be updated, etc.?	10	10	Excellent. Restful API deployment is absolutely the right choice.