Though the above dashboard is just showing the newest articles, you could imagi
recommendation board available here that shows the articles that are most perti

In order to determine which articles to show to each user, you will be performing
available on the IBM Watson Studio platform. You can create your own account to
their community, and get a better understanding of their data by creating an acco
here.

Your Tasks

Your project will be divided into the following tasks

I. **Exploratory Data Analysis**

Before making recommendations of any kind, you will need to explore the data yo
for the project. Dive in to see what you can find. There are some basic, required q
answered about the data you are working with throughout the rest of the notebo
explore, before you dive into the details of your recommendation system in the la

II. **Rank Based Recommendations**

To get started in building recommendations, you will first find the most popular a
on the most interactions. Since there are no ratings for any of the articles, it is eas
articles with the most interactions are the most popular. These are then the articl
recommend to new users (or anyone depending on what we know about them).

III. **User-User Based Collaborative Filtering**

In order to build better recommendations for the users of IBM's platform, we cou
are similar in terms of the items they have interacted with. These items could the
the similar users. This would be a step in the right direction towards more person
for the users. You will implement this next.

IV. **Content Based Recommendations (EXTRA - NOT REQUIRED)**

Given the amount of content available for each article, there are a number of diffe
someone might choose to implement a content based recommendations system.
you might come up with some extremely creative ways to develop a content base
system. You are encouraged to complete a content based recommendation syste
do so to complete this project.

V. **Matrix Factorization**

Finally, you will complete a machine learning approach to building recommendati
item interactions, you will build out a matrix decomposition. Using your decompo
idea of how well you can predict new articles an individual might interact with (sp
great). You will finally discuss which methods you might use moving forward, and
how well your recommendations are working for engaging users.

Before you submit your work, check the RUBRIC to make sure you meet all of the