

# Data 612 - Research Question #4

Up Next: A Better Recommendation System by Renee Diresta - Review

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## Overview

Read one or more of the articles below and consider how to counter the radicalizing effects of recommender systems or ways to prevent algorithmic discrimination.

## Thoughts

One of the challenges to an Algorithmic Approach is trying to solve human problems, needs and nuances of human behavior. The human point of view can be diluted or disappear, which is the downfall of running “Data Driven Decisions.” Today, people tend to forget that these are support tools for decision making, without second question anything.

In addition, complexity of the algorithms such as SVD and Neural Networks presents a challenge on “Explainability.” Meaning what were the steps of how your products were produced.

One of the critical elements for preventing these problems present in the article is multidisciplinary teams. From design, implementation and evaluation of these models in terms of non technical consideration need to be made.

From the algorithm perspective, bias detection is getting more developed with better results. However there still are no ways to identify specific issues from the actual results. Actual human reviews must be maintained as a constant.

Pinterest and Google rely on automation as recommendations and are trying to have content review manually. The reality is, that with the huge amount of content generated by the second, it will never be an effective method to prevent the radicalizing effect of a recommender. However, AI and Neural Network combinations, in addition to a Recommender Model, will allow the features to take off. We can identify and include as part of the recommender.