

After reading/viewing the following, respond to the reflection prompts below.

Watch (2:39 min): [The Truth About Algorithms](#)

Read and Watch (23min): [Algorithms Don't Fail Everyone Equally](#)

TIP: Pay attention to how machine learning algorithms process information and the unintended consequences that can happen.

Choose one of the following to read:

Read: [Biased algorithms learn from biased data: 3 Kinds of biases found in AI datasets](#)

Read: [Garbage In, Garbage Out: Face Recognition on Flawed Data](#)

Read: [Machine Bias](#)

Read: [Google has a Striking History of Bias Against Black Girls](#)

Answer these reflection prompts:

- After watching the videos, explain how algorithms work and explain how societal stereotypes and biases might be perpetuated by algorithms. Provide at least one example of this. Several are mentioned in the second video, but you are welcome to use Google or another search engine to find an example. (150-word minimum excluding citation)

Algorithms are created by you. You create what you see. These machines are fed thousands of images, for example a cat. You give the machine thousands of pictures of cats and now it can recognize a cat better than anyone. But for example this is how social media algorithms work. They record what you watch and how you interact with the post or video. Interacting as in liking, commenting and sharing. That is then recorded and that changes what pops up on your feed. For example, when I got broken up with, on instagram I started interacting with reels that were motivational and about working out and not being good enough and so on. And I would comment and share and so on and the algorithm would record that and push more of that on my feed. When programming an algorithm, the people who made it can accidentally make it biased. For example, facial recognition. If the group designing this is prominently white, the AI will be better at tracking white people and won't do as well when scanning darker skin tones.

- Answer the following about the reading that you selected:
 - Title and author - Biased Algorithms learn from biased data. - Annie Brown
 - Main idea (provide 3-5 sentences for the main idea)
 - The main idea from this reading is algorithm bias. And the bias in these algorithms can perpetuate societal stereotypes and inequalities. It also comments how this is a concern because algorithms are becoming more of a role in life and they make decisions and that could end up risky. The article talks about different types of algorithm biases and how they work. And really emphasis on the fact that we need to make them non bias if we want them to be fully useful.

- What did you learn from this reading that you did not already know? (Note: if you did not learn anything new, go back and select a different reading). (200-word minimum for part c)

I did learn a couple new things. I knew some things because I took a class last year which talked about algorithms and how they work. But in general I really didn't know a whole ton about algorithm bias. Like it all makes sense but I never thought about it from the perspective of if a certain type of people who are different than everyone else are working on this algorithm, it will be biased because that algorithm will now only think like that type of person and be bias towards them and be different from everyone else. I did learn that they are trying to help this problem. Facebook has a part in this but they emphasize the importance of diverse representation in the data used and the people who might be the data. In this article we learn the ongoing challenges and practices trying to combat these algorithms with bias. And this needs to happen quickly because these algorithms are starting to control a lot of things and our lives and if we aren't careful it could end up hurting us.