# Algorithm Errors and Biases

## Algorithms

<https://www.codementor.io/learn-programming/3-essential-algorithm-examples-you-should-know>

This link covers 3 classic programming algorithms.

## Errors and Biases

Research the following links:

<https://www.nytimes.com/2019/11/15/technology/algorithmic-ai-bias.html>

<https://www.research.ibm.com/5-in-5/ai-and-bias/>

<https://www.relevantmagazine.com/culture/tech-gaming/almost-all-of-facebooks-top-christian-pages-are-run-by-foreign-troll-farms/>

<https://www.youtube.com/shorts/jb5QgK_xKrA>

Think about how algorithms are watching your data. List the websites / apps you use and how you think the algorithm is reacting to you.

1. What is the app/site? What are you seeing that is different to another student?

2. How does the website/app look when you log out?

Discuss the following topics:

* Using an algorithm to generate chaos (for an individual or for a society)
* Unintended / intended bias in elections
* Could you detect unintended bias in an algorithm that you wrote
* Ethical considerations and fixing (or changing) algorithms

A paragraph or a few thoughts on each point, with a summary paragraph.