* Why is fairness important for machine learning?
  + Fairness is important for machine learning because if there are biases in the training data that bias will be very prominent when testing the algorithm and the machine may not function ethically.
* What specific issues discussed in this paper are particularly interesting? Explain why.
  + I found the Bias encoded in data to be very interesting because it is difficult to collect unbiased human data. Almost all data has some sort of bias. In this situation we are trying to mitigate it and hopefully eliminate the bias.
* Assume you are a data scientist working to build a machine learning algorithm for a university to predict the probability of academic success for master’s degree applicants. The university will use the recommendation by your algorithm as an important factor when considering whether an applicant will be accepted to the master program or not. What fairness issues are there and what methods or solutions you want to adopt to solve these issues?
  + Fairness issues could be biases in the training data as well as minimizing average error fits majority populations. In the article they talked about predicting high school student’s performance in college. This is all based off the ACT and SAT. The problem with these tests is similar to the issue with predicting the success of a master’s student. I would first eliminate any bias within the training data by using fair representations. I believe this will solve most if not all biases within the algorithm. Any other potential bias would most likely be outliers in the data and would be thrown out.
* Do you have any other questions or comments on the topic?
  + I enjoyed this article and found it very fascinating with how import it is when making models.