**Dawson College**

**Integrative Seminar 300-308-DW**

**Research Topic Selection: Artificial Intelligence**

The list below includes good potential topics and resources for your Comprehensive Assessment paper. You do not need to choose from this list, but if you do not, it is a good idea to speak to me to confirm that your topic will work.

Remember that your topic must be related to Artificial Intelligence and that you will have to examine it from the perspectives of three social science disciplines. The list is divided in themes and fields. One way to do it is to select one theme and one field, for instance: The Ethics of AI in Law Enforcement.

Field: BIAS

Moodle "pitch": Algorithms are designed by humans and depend on data. As a result, they can carry the biases of their creators, or those that are inherent to the datasets that feed algorithms. In the USA, some credit score ratings have been found to be biased against individuals living in historically Black or Latino neighborhoods. Predictive policing based on biased historical law enforcement data can lead to the over-policing of already vulnerable neighbourhoods. Even more problematic is that these biases can be swift under the rug because AI is supposedly neutral, meaning AI can accentuates group inequalities with the imprimatur of neutrality.

RESOURCES

* Citron and Pasquale. The Scored Society: Due Process for Automated Predictions. Washington Law Review, Vol. 89, 2014. <https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2376209>
* Lyria Bennett Moses & Janet Chan (2018) Algorithmic prediction in policing: assumptions, evaluation, and accountability, Policing and Society, 28:7, 806-822, DOI: 10.1080/10439463.2016.1253695
* Machine Bias. Propublica. 2016. <https://www.propublica.org/article/machine-bias-risk-assessments-in-criminal-sentencing>
* Simonite, Tom. “Algorithms Were Supposed to Fix the Bail System. They Haven’t.” 2020.
* Stevenson, Megan. “Assessing Risk Assessment in Action.” Minnesota Law Review, vol. 303,no. 103, 2018, pp. 303-384.
* Urquhart, Lachlan, and Diana Miranda. “Policing Faces: The Present and Future of Intelligent Facial Surveillance.”
* Valentine, Sarah. “Impoverished Algorithms: Misguided Governments, Flawed Technologies, and Social Control.” 2019.
* Prince, Anya E.R., and Daniel Schwarcz. 2020 “Proxy Discrimination in the Age of Artificial Intelligence and Big Data.”
* Koenecke, Allison, et al. 2019 “Racial Disparities in Automated Speech Recognition.”
* David, Marie. 2019 “AI and the Illusion of Human-Algorithm Complementarity.”
* Robinson and Koepke. Stuck in a Pattern. Upturn. 2016.