

Fairness und Diskriminierungsfreiheit aus Sicht von Ethik und Informatik

Hauptseminar im Sommersemester 2020 – Themen und Einstiegsliteratur

00.) Gemeinsamer Text für die Diskussion

- Amy Wax. *The Discriminating Mind: Define It, Prove It*. Conn. Law Rev. 40(4) 2008.

01.) Fairness is Not Static: Long Term Fairness (**B. Beckert**) – INF

- D'Amour et al. *Fairness Is Not Static: Deeper Understanding of Long Term Fairness via Simulation Studies*. FAT* 2020.

02.) Preference-Informed Fairness (**B. Beckert**) – INF

- Kim et al. *Preference-Informed Fairness*. ITCS 2020.

03.) Fair Machine Learning in Industry (**J. Schiff**) – INF

- Holstein et al. *Improving Fairness in Machine Learning Systems: What Do Industry Practitioners Need?* CHI 2019.

04.) Concepts and Frameworks: The Algorithmic Social Contract (**J. Schiff**) – INF

- Rahwan. *Society-in-the-Loop: Programming the Algorithmic Social Contract*. Ethics & Inf. Techn. 20(1) 2018.

05.) Quantifying and Comparing Algorithmic Unfairness (**M. Kirsten**) – INF

- Speicher et al. *A Unified Approach to Quantifying Algorithmic Unfairness: Measuring Individual & Group Unfairness Via Inequality Indices*. KDD 2018.

06.) Fairness Under Composition (**A. Koch**) – INF

- Dwork, Ilvento. *Fairness Under Composition*. ITCS 2019.