

# Readings

Date	Topic	Required readings	Optional	Due
9/29	<i>Introduction</i>	<ul style="list-style-type: none"> <li>• Allen Institute for AI (2021)</li> <li>• Bonde and Firenze (2013)</li> <li>• Gupta and Heath (2020)</li> </ul>	<ul style="list-style-type: none"> <li>• D. Raji (2019)</li> </ul>	
10/4	<i>Algorithmic decision making</i>	<ul style="list-style-type: none"> <li>• Jiang (2021)</li> <li>• ACLU of Washington (2021)</li> <li>• Kearns and Roth (2019)</li> <li>• Lum and Chowdhury (2021)</li> <li>• stabilityai (n.d.)</li> </ul>		
10/6	<i>What is algorithmic bias?</i>	<ul style="list-style-type: none"> <li>• Baio (2022)</li> <li>• Bembeneck, Nissan, and Obermeyer (2021)</li> <li>• Benjamin (2019)</li> <li>• Chowdhury (2021)</li> <li>• Vox (2021)</li> </ul>	<ul style="list-style-type: none"> <li>• Friedman and Nissenbaum (1996)</li> </ul>	

Date	Topic	Required readings	Optional	Due
10/11	<i>Identifying algorithmic harms</i>	<ul style="list-style-type: none"> <li>• Jeffries, Yin, and Mattu (2020)</li> <li>• Kirchner (2021)</li> <li>• Kirchner (2020)</li> <li>• Varner and Sankin (2020)</li> </ul>		
10/13	<i>Algorithmic fairness</i>	<ul style="list-style-type: none"> <li>• Feathers (2021)</li> <li>• Mitchell et al. (2021)</li> </ul>		
10/18	<i>Ethics of data collection</i>	<ul style="list-style-type: none"> <li>• Smith (2021)</li> <li>• McVean (2019)</li> <li>• Whitby (2020)</li> <li>• Onuoha (2020)</li> </ul>	<ul style="list-style-type: none"> <li>• Ochigame (2020)</li> </ul>	
10/20	<i>Facial recognition</i>	<ul style="list-style-type: none"> <li>• Buolamwini et al. (2020)</li> <li>• Hill and Krolík (2019)</li> <li>• Buolamwini and Gebru (2018)</li> </ul>	<ul style="list-style-type: none"> <li>• Castelvechi (2020)</li> <li>• Noorden (2020)</li> </ul>	
10/25	<i>Criminal Justice</i>	<ul style="list-style-type: none"> <li>• MIT Media Lab (2018)</li> <li>• Angwin et al. (2016)</li> <li>• Hill (2020)</li> <li>• Lum and Isaac (2016)</li> <li>• O'Neill (2019)</li> </ul>		
10/27	<i>Quantifying fairness</i>	<ul style="list-style-type: none"> <li>• Chouldechova (2017)</li> <li>• Mitchell et al. (2021)</li> </ul>	<ul style="list-style-type: none"> <li>• Arvind Narayanan (2018)</li> </ul>	

Date	Topic	Required readings	Optional	Due
11/1	<i>Quantifying fairness</i>	<ul style="list-style-type: none"> <li>• Rudin, Wang, and Coker (2020)</li> <li>• Chouldechova (2020)</li> <li>• Jackson and Mendoza (2020)</li> </ul>		
11/3	<i>Public algorithms</i>	<ul style="list-style-type: none"> <li>• Crawford (2021)</li> <li>• Green (2019)</li> </ul>		
11/8	<i>Private algorithms</i>	<ul style="list-style-type: none"> <li>• Ingold and Soper (2016)</li> <li>• Raghavan and Barocas (2019)</li> </ul>	<ul style="list-style-type: none"> <li>• MIT Technology Review (2021)</li> </ul>	
11/10	<i>Labor</i>	<ul style="list-style-type: none"> <li>• Booth (2020)</li> <li>• Crawford (2021)</li> <li>• Gurley (2021)</li> <li>• The Financial Times (2020)</li> </ul>		
11/15	<i>Welfare</i>	<ul style="list-style-type: none"> <li>• Eubanks (2018)</li> <li>• Henriques-Gomes (2019)</li> <li>• Sudhir and Sunder (2020)</li> </ul>	<ul style="list-style-type: none"> <li>• Gilman (2020)</li> </ul>	
11/17	<i>Healthcare</i>	<ul style="list-style-type: none"> <li>• Chen et al. (2021)</li> <li>• Obermeyer et al. (2019)</li> </ul>		
11/22	<i>Privacy</i>	<ul style="list-style-type: none"> <li>• Mervis (2019)</li> <li>• Wezerek and Riper (2020)</li> <li>• Wolford (2018)</li> <li>• Wood et al. (2018)</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	
11/24		NO CLASS		

Date	Topic	Required readings	Optional	Due
11/29	<i>Paths forward</i>	<ul style="list-style-type: none"> <li>• Green (2020)</li> <li>• Hooker (2021)</li> <li>• I. D. Raji and Buolamwini (2019)</li> <li>• Upchurch (2018)</li> </ul>		
12/1	<i>Paths forward</i>	<ul style="list-style-type: none"> <li>• Mullainathan (2019)</li> <li>• Campbell (2018)</li> <li>• Heilweil (2020)</li> <li>• Nickelsburg (2021)</li> <li>• Richardson (2019)</li> </ul>		
12/6				Final Presentations
12/8				Final Presentations

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