

DAT405 Introduction to Data Science and AI, 2019 –2020,

Assignment 6:

Select a text either from the list of suggestions or suggest your own text. **Get your text first approved by the TA** (even the ones from the suggested list) by signing-up your group and text to the following list:

<https://docs.google.com/spreadsheets/d/11JS5uKYFiZjw-Q-HDoRTRCB7A4aPacRDLjGg6gF-wYk/edit?usp=sharing>

Remember that the technical parts which requires additional background can be ignored.

Prepare the summary of the text in 10-15 slides and **submit it in Canvas** by **Monday Oct 14** at 12:00. Present a summary of your text to the class. The presentations **must be 10 minutes** each. Therefore, pick between 5-10 slides for presentation.

Samples of the literature are listed below:

Aaron Hertzmann “Can Computers Create Art?” Adobe Research

<https://arxiv.org/pdf/1801.04486.pdf>

Ekkehard Ernst, et. al. “The economics of artificial intelligence: Implications for the future of work”
International Labour Organization

https://www.ilo.org/wcmsp5/groups/public/---dgreports/---cabinet/documents/publication/wcms_647306.pdf

The History of Artificial Intelligence, University of Washington December 2006

<https://courses.cs.washington.edu/courses/csep590/06au/projects/history-ai.pdf>

Vinnova report (in Swedish)

<https://www.vinnova.se/publikationer/artificiell-intelligens-i-svenskt-naringsliv-och-samhalle/>

HUMAN DECISIONS AND MACHINE PREDICTIONS

www.cs.cornell.edu/home/kleinber/w23180.pdf

Discrimination in the Age of Algorithms

<https://academic.oup.com/jla/article/doi/10.1093/jla/laz001/5476086>

“Perspectives on Issues in AI Governance” , Google

<https://ai.google/static/documents/perspectives-on-issues-in-ai-governance.pdf>

Nick Bostrom, Eliezer Yudkowsky, The Ethics of Artificial Intelligence

<https://intelligence.org/files/EthicsofAI.pdf>

Mohammad HosseinJarrahi, “Artificial intelligence and the future of work: Human-AI symbiosis in organizational decision making”

Kleinberg, et.al. “Inherent Trade-Offs in the Fair Determination of Risk Scores” **(Introduction)**

<https://arxiv.org/pdf/1609.05807.pdf>

David Sumpter, “Outnumbered: From Facebook and Google to Fake News and Filter-bubbles – The Algorithms That Control Our Lives” **(one of the chapters)**

Matthew U. Scherer, “regulating artificial intelligence systems: risks, challenges, competencies, and strategies”

<http://jolt.law.harvard.edu/articles/pdf/v29/29HarvJLTech353.pdf>

Dirk Helbing , “Societal, Economic, Ethical and Legal Challenges of the Digital Revolution: From Big Data to Deep Learning, Artificial Intelligence, and Manipulative Technologies” (ETH Zurich)

<https://arxiv.org/ftp/arxiv/papers/1504/1504.03751.pdf>

EU's General Data Protection Regulation (GDPR): Key Provisions and Best Practices (**with sufficient discussion**)

https://www.americanbar.org/groups/international_law/publications/international_law_news/2018/winter/eu-general-data-protection-regulation-gdpr/

Differential Privacy: A Primer for a Non-technical Audience

https://privacytools.seas.harvard.edu/files/privacytools/files/pedagogical-document-dp_new.pdf

Concrete Problems in AI Safety

<https://arxiv.org/pdf/1606.06565.pdf>

Artificial Intelligence and Agents (Up to Section 1.4)

<https://artint.info/2e/html/ArtInt2e.Ch1.html>