TIA123   Infrastrukturer och organisering av lärande och kommunikation, 7,5 högskolepoäng

Infrastructures and organization of learning and communication, 7.5 credits
Avancerad nivå / Second Cycle

Litteraturlista för TIA123, gällande från och med vårterminen 2023
Litteraturlistan är fastställd av Institutionen för tillämpad informationsteknologi 2023-01-26 att gälla från och med 2023-03-23.

Se bilaga.

TIA123 Infrastrukturer och organisering av lärande och kommunikation, 7,5 hp
Infrastructures and organization of learning and communication, 7,5 credits

Avancerad nivå/ Second Cycle

Obligatorisk litteratur

Andreasson, I., & Dovemark, M. (2013). Transforming Insecurity into a Commodity: using the digital tools Unikum and InfoMentor as an example in Swedish education. *European educational research Journal*, 12(4), 480-491.

Agrawal, A., Gans, J. S., & Goldfarb, A. (2017). *What to Expect from Artificial Intelligence*. http://mitsmr.com/2jZdf1Y.

Bhargava, R. (2018). The Algorithms Aren't Biased, We Are. *Medium*. https://medium.com/mit-media-lab/the-algorithms-arent-biased-we-are-a691f5f6f6f2.

Bowker, G. C., Baker, K., Millerand, F., and Ribes, D. (2009). Toward Information Infrastructure Studies: Ways of Knowing in a Networked Environment. In Hunsinger et al. (Eds.), *International Handbook of Internet Research*. DOI 10.1007/978-1-4020-9789-8_5, Springer Science+Business Media B.V. 20. Retrieved from: http://pal.lternet.edu/docs/bibliography/Public/351lterc.pdf

Candy, S., & Kornet, K. (2019). Turning foresight inside out: An introduction to ethnographic experiential futures. *Journal of Futures Studies*, 23(3), 3-22.

Guribye, F. (2015). From artifacts to infrastructures in studies of learning practices. *Mind, Culture and Activity*, 22(2), 184-198.

Halkola, E., & Iivari, N. (2014). Infrastructuring in the Future School case - involving both adults and children. *Proceedings of the 22nd European Conference on Information Systems* (ECIS), Tel Aviv, 2014. Retrieved from: https://www.academia.edu/36018996/INFRASTRUCTURING_IN_THE_FUTURE_SCHOOL_CASE_INVOL VING_BOTH_ADULTS_AND_CHILDREN

Hao, K. (2020). China has started a grand experiment in AI education. It could reshape how the world learns. *MIT Technology Review*. https://www.technologyreview.com/s/614057/china-squirrel-has-started-a-grand- experiment-in-ai-education-it-could-reshape-how-the/

Hillman, T., Rensfeldt, A. B., & Ivarsson, J. (2020). Brave new platforms: a possible platform future for highly decentralised schooling. *Learning, Media and Technology*, 45(1), 7-16.

Hirscher, A-L., & Mazé, R. (2019). Stuff matters in participation: Infrastructuring a co-sewing café. *Journal of Peer Production*, 13. https://acris.aalto.fi/ws/portalfiles/portal/35525145/Stuff_matters_in_participation_2.pdf

Karasti, H. (2014). Infrastructuring in Participatory Design. *Participatory Design Conference* (PDC2014), 6-10 October 2014, Windhoek, Namibia. DOI:10.1145/2661435.2661450

Matthews, V. (2018). The surprisingly boring role AI could play in classrooms. *World Economic Forum*. Available at: https://www.weforum.org/agenda/2018/06/teaching-ai-in-schools-could-equip-students-for-the-future/

Orlikowski, W. J., & Scott, S. V. (2008) Sociomateriality: Challenging the separation of technology, work and organization. *Annals of the Academy of Management*, 2(1), 433–474.

Pangrazio, L., Selwyn, N., & Cumbo, B. (2022). A patchwork of platforms: Mapping data infrastructures in schools. *Learning, Media and Technology*, 1–16. https://doi.org/10.1080/17439884.2022.2035395

Plantin, J-C., Lagoze, C., Edwards, P.N., and Sandvig, C. (2016). Infrastructure studies meet platform studies in the age of Google and Facebook. *New Media & Society* 1–18. DOI:10.1177/1461444816661553.

Perrotta, C., Gulson, K. N., Williamson, B., & Witzenberger, K. (2020). Automation, APIs and the distributed labour of platform pedagogies in Google Classroom. *Critical Studies in Education*, 1-17.

Perrotta, C., & Selwyn, N. (2020). Deep learning goes to school: Toward a relational understanding of AI in education. *Learning, Media and Technology*, 45(3), 251-269.

Seravalli, A. (2012). Infrastructuring for opening production, from participatory design to participatory making? PDC '12: *Proceedings of the 12th Participatory Design Conference*: Exploratory Papers, Workshop Descriptions, Industry Cases - Volume 2. August 2012 Pages 53–56 https://doi.org/10.1145/2348144.2348161

Star, S. L., and Ruhleder, K. (1996). Steps toward an ecology of infrastructure: Borderlines of design and access for large information spaces. *Information Systems Research*, 7(1), 111-134.

Star, S. L. & Strauss, A. (1999). Layers of silence, arenas of voice: The ecology of visible and invisible work. *Computer Supported Cooperative Work* (CSCW), 8(1–2), pp. 9–30. Available at: http://link.springer.com/10.1023/A:1008651105359.

Williamson, B. (2018). The hidden architecture of higher education: building a big data infrastructure for the 'smarter university'. *International Journal of Educational Technology in Higher Education*, 15:12. DOI 10.1186/s41239-018-0094-1

Valbar litteratur

Centerwall, U., & Nolin, J. (2019). Using an infrastructure perspective to conceptualise the visibility of school libraries in Sweden. http://informationr.net/ir/24-3/paper831.html

Hartong, S., and Förschler, A. (2019). Opening the black box of data-based school monitoring: Data infrastructures, flows and practices in state education agencies. *Big Data & Society*, January–June 2019: 1–12. DOI: 10.1177/2053951719853311 journals.sagepub.com/home/bds

Selwyn, N. (2019, March 15). The materiality of school data. Enhancing the Use of Digital Data in Secondary Schools. https://data-smart-schools.net/2019/03/16/the- materiality-of-school-data/

Teixeira, J., Amoroso, J., & Gresham, J. (2017, October 3). Why education infrastructure matters for learning. Education for Global Development. A blog about the power of investing in people. [Blog post]. Retrieved from https://blogs.worldbank.org/education/why-education-infrastructure-matters-learning

Williamson, B. (2017). Learning in the 'platform society': Disassembling an educational data assemblage. *Research in Education*, 98(1), 59–82. DOI: 10.1177/0034523717723389

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