





IN THE ARTIFICIALINTELLIGENCE ERA

Transforming Learning Design in the AI Era



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https://www.downes.ca/presentation/572



The Potential of ChatGPT in MOOCs

- ChatGPT has the ability to answer multiple-choice questions on various subjects at different levels of difficulty.
- Experiments is to determine the accuracy and effectiveness of ChatGPT in providing responses to students in MOOCs.

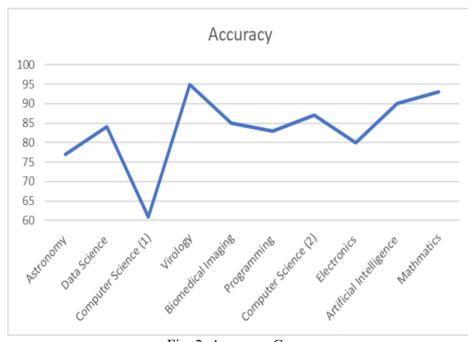
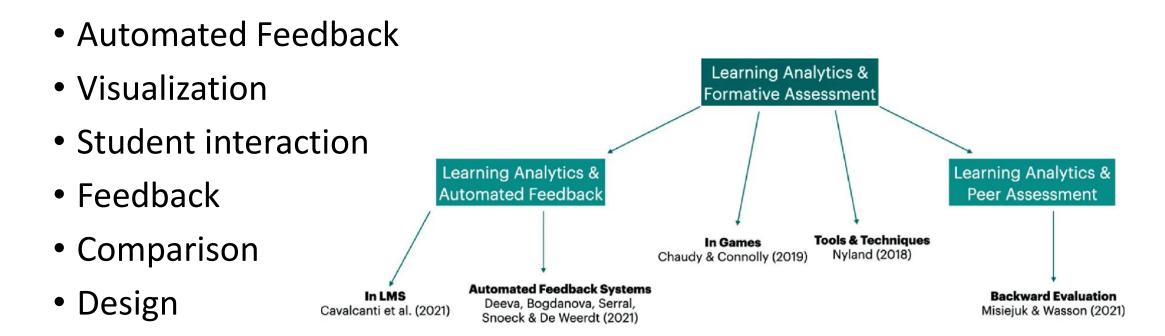


Fig. 2. Accuracy Curve.

Alseddiqi, M., AL-Mofleh, A., Albalooshi, L. ., & Najam, O. (2023). Revolutionizing Online Learning: The Potential of ChatGPT in Massive Open Online Courses. European Journal of Education and Pedagogy, 4(4), 1–5. https://doi.org/10.24018/ejedu.2023.4.4.686

Learning Analytics for Peer Assessment

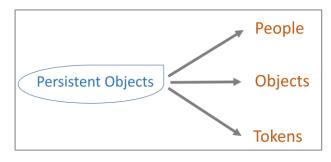


Misiejuk, K., Wasson, B. (2023). Learning Analytics for Peer Assessment: A Scoping Review. In: Noroozi, O., De Wever, B. (eds) The Power of Peer Learning. Social Interaction in Learning and Development. Springer, Cham.

https://doi.org/10.1007/978-3-031-29411-2_2

The AI Values Chain

Objects

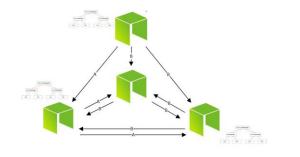


Metaverse

Data

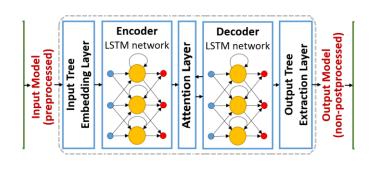
Untrusted Data





Blockchain

Application



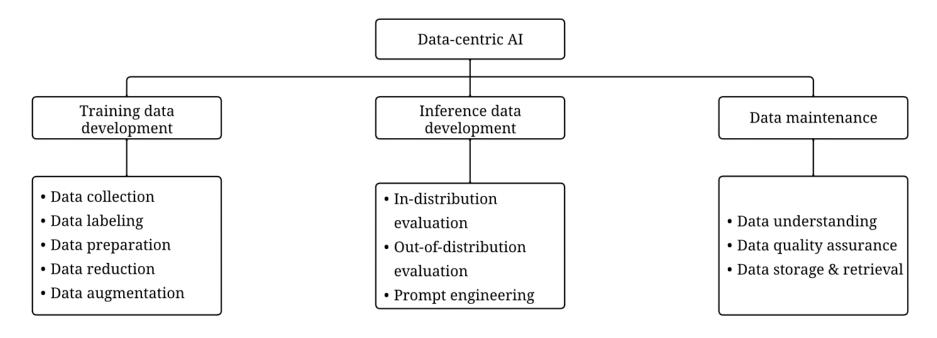
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Data Integrity and Data Quality

- Accuracy: Is the data correct and reflect real-world knowledge?
- Completeness: Are there missing data elements or blank fields?
- Consistency: Do values match across locations and environments?
- Validity: Is data being collected in the correct format?
- Uniqueness: Is data duplicated or overlapping with other data?
- Timeliness: Is data up to date and readily available when needed?

Grzegorz Przybycień. 2023. Data integrity vs. data quality: Is there a difference? IBM Blog. https://www.ibm.com/blog/data-integrity-vs-data-quality-is-there-a-difference/

Data-Centric Al



Data-centric AI framework.

Daochen Zha, Zaid Pervaiz Bhat, Kwei-Herng Lai, Fan Yang, Zhimeng Jiang, Shaochen Zhong, and Xia Hu. 2023. Data-centric Artificial Intelligence: A Survey. 1, 1 (June 2023), 39 pages.

https://arxiv.org/pdf/2303.10158.pdf