



LITERATURE

Course name: Project: Data Engineering

Course code: DLMDSEDE02

Valid from: 12.01.2020



THE LITERATURE TYPES

Basic literature

These are standard textbooks for the respective course. Their content could be partially and/or entirely relevant to the said course. A purchase of these books could be beneficial.

Further literature

These advanced literary works represent a deepening or practical application of selected individual topics from the script. It does not cover the entire spectrum of the material, but enables further research on individual topics. In contrast to basic literature, extensive reading is not obligatory.

BASIC LITERATURE

Kleppmann, M. (2017). *Designing data intensive applications: The big ideas behind reliable, scalable, and maintainable systems.* Sebastopol, CA: O'Reilly.

FURTHER LITERATURE

Marz, N. Warren, J. (2015). *Big Data: Principles and Best Practices of Scalable Real-Time Data Systems*. NY, Manning Publications Co.

Chaudhuri, S. Dayal, U. (1997). *An Overview of Data Warehousing and OLAP Technology*. ACM SIGMOD Record 26: 65-74

White, T. (2015). *Hadoop: The definitive guide: Storage and analysis at Internet scale*. Sebastopol, CA: O'Reilley.

Karau, H., Konwinski, A., Wendell, P., & Zaharia, M. (2015). *Learning Spark: Lightning fast data analysis*. Sebastopol, CA: O'Reilley.

Narkhede, N., Shapira, G., & Palino, T. (2017). *Kafka: The definitive guide: Real-time data and stream processing at scale*. Sebastopol, CA: O'Reilley.

Farcic, V. (2016). *The DevOps 2.0 toolkit: Automating the continuous deployment pipeline with containerized micro-services*. Scotts Valley, CA: CreateSpace Independent Publishing Platform.

Microsoft Corporation. *Microsoft Azure Reference Architectures*. (<https://docs.microsoft.com/en-gb/azure/architecture/browse/>) [last accessed at 11.11.2020]

REFERENCE

Should you encounter any problems registering or should you have specific questions about the individual literature portals, please email the following library contact.