**Machine Learning (WS 2025/2026)**

**Assignment Sheet 1 – Task 1.1**

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**Assignment 1.1 Answer:**

Machine Learning is the improvement of performance of a task by machines using past experiences. In other words, it is an attempt at inducing heuristics into a machine. Two example applications of machine learning are:

* “video recommendations”: where a user is recommended different videos based on their viewing history.
* “word recommendations while typing”: where a user can see words suggest to him by the system when typing in order to help the user complete his sentence.

Not every scenario requires machine learning, like in the following scenarios:

* Performing simple tasks: like opening files or programs.
* Conducting transactions: processing transactions requires speed, reliability and security. Machine learning would be overkill