

Human-in-the-loop for Machine Learning/Data Analytics Workflows

Second Presentation

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- 1 Human In the Loop Machine Learning
- 2 Human-Centered Design of Decision-Support Systems
- 3 Next step

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1 Human In the Loop Machine Learning

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Human In the Loop Machine Learning

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- Although there are some common theme and techniques, the human in the loop solutions are tailored according to specific situations.
- → Need to understand the details of the problem needed to solve.

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① Iterative Human-Centered Design Processes.

Human-Centered Design of Decision-Support Systems [1]

- 1 Iterative Human-Centered Design Processes.
- 2 Need Analysis → User, Context, Task identification and understanding → Identify problem → Propose solution → Repeat.

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Next step

- Perform the Need Analysis → Interviewing Maarit's team to understand the problem or need.
- Identify and understand User, Context, Task.
- Then identify the problem and potential solution will come later.

References I



P. J. Smith, N. D. Geddes, and R. Beatty, “Human-centered design of decision-support systems,” *Human-Computer Interaction: Design Issues, Solutions, and Applications*, p. 245, 2009.