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| ITU Logo | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2017-2020 | FG-AI4H-B-029 |
| **ITU-T Focus Group on AI for Health** |
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| **Source:** | Marc Lecoultre (MLLab.ai) |
| **Title:** | Artificial Intelligence thematic classification |
| **Purpose:** | Discussion |
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| **Abstract:** | This document suggests an Artificial Intelligence thematic classification to be used for level 2 in document [FG-AI4H-B-004](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/_layouts/15/WopiFrame.aspx?sourcedoc=%7b7E77A297-0285-4394-942E-2247EAC96EEA%7d&file=FGAI4H-B-004.docx&action=default) |

1. **Machine Learning**
	1. Classification
	2. Regression
	3. Clustering
	4. Recommendation systems
	5. Matching
	6. Sequential data models
	7. Anomaly detection
2. **Optimization**
	1. Automated planning & scheduling
	2. Evolutionary algorithms
3. **Knowledge representation and reasoning**
	1. Default reasoning
	2. Commonsense knowledge
	3. Ontological engineering
	4. Sub-symbolic reasoning
4. **Artificial Intelligence**
	1. Generative models
	2. Autonomous systems
	3. Distributed systems
5. **Perception**
	1. Visual recognition (photo/video)
	2. Natural Language Processing (text/voice)
6. **Affective computing**
	1. Sentiment analysis
	2. Virtual assistants
	3. Social agents
7. **Motion and manipulation (robotics)**
	1. Robotic arms
	2. Industrial robots
	3. Motion planning
8. **General intelligence**

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