Grundlagen der Wissensverarbeitung

Blatt 1

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Aufgabe 1.1 (Application Scenarios for Artificial Intelligence)

1. Navigating through a labyrinth

Task & result: An agent has to find a way through a labyrinth. The found solution should be as efficient as possible.

2. Calibration of sensor data

Task & result: Real world data recorded from sensors often contains noise and other distortions of input data. A supervised agent could be trained to find patterns in those distortions and deliver more distortion-free data.

3. Image classification

Task & result: Much information is meaningless if it is not accessible easily for humans or computers. Large databases of images (e.g. Google images) have to be categorized correctly to build up a useful database. An agent could be used to classify this data automatically.

Aufgabe 1.2 (AI Terminology)