

AI 活用で挑む学問の革新と創成
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Learning categories grounded in sensation without supervision

研究成果の概要

In this year, I have made continuous progress. I have completed improving our custom dataset and validated our object-centric DNN. I have even found that it can learn object-centric representation from scratch by predicting the future sensory input, without some of the built-in knowledge that I originally thought was necessary. The work has been summarized as a manuscript and submitted to a machine learning conference for review. Towards the goal of learning categories by prediction without supervision, I have built a simple new dataset for testing DNNs tailored for this goal. I am in the progress of developing and testing models on the dataset.

【代表的な原著論文情報】

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