

MSc. Data Science & Artificial Intelligence

ADVANCED LEARNING

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Learning without Data Collection

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1 Introduction

"Learning without data collection" is a provocative way to describe the process of learning from a single, or very few example. Humans however, are able to learn in such a way. Algorithms on the other hand, especially deep learning ones, are very data-hungry even for simple tasks such as recognising a cat from a dog.

- 2 Context of Learning without Data Collection
- 3 Critical comments on the notion of motion invariance
- 4 Related articles

References

[1] Betti, A., Gori, M. and Melacci, S., 2022. Deep Learning to See: Towards New Foundations of Computer Vision. arXiv preprint arXiv:2206.15351.