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## Divergences for prototype-based classification and causal structure discovery

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# Stellingen

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## Divergences for Prototype-based Classification and Causal Structure Discovery, *Theory and Application to Natural Datasets*

van

Ernest Mwebaze

1. Divergences can be used in prototype-based classification when dealing with distributions and for potentially normalised data.
2. Inferring underlying causal mechanisms in data is key to understanding the effects of manipulations or interventions on the data.
3. Under certain specific assumptions, it is possible to infer causality from purely observational data.
4. Successful application of machine learning algorithms to real problems should be a significant way of validating the algorithms.
5. Views related to this work may be divergent - this work is about divergences after all.
6. There is an inevitable divergence between the world as it is and the world as men perceive it.

-J.William Fulbright

7. Don't forget that on earth, every big thing has had a small beginning. What is born big is monstrous and dies.
8. The greatest enemy of the rock is not the pick axe but the small drop of water.

-Josemaria Escriva

9. The object of the life is not to be close to the prototype of the majority, but to escape finding oneself in the cluster of the insane.

- Marcus Aurelius, paraphrased

10. *Ende gut, alles gut.* All is well that ends well.