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Research of Machine-Learning Based Information: Theory and Potentials for Applications

The aim of the presentation is to draw the audience's attention to the research possibilities of an original machine-learning-based information measure, namely the Learning Entropy (LE), and to express interest in possible collaboration on this novel research. The basic principle of LE is presented, and it is shown how it differs from the probabilistic concept of Shannon's Information and Entropy. Application results will also be demonstrated and further research opportunities for both basic and applied research will be indicated for further discussions.