

Towards probabilistic models for capturing uncertainty

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Many applications of machine learning in physics are currently limited by their lack of uncertainty propagation and estimation through the model. Such limitation can partly be overcome by shifting to the use of probabilistic models, which provide an output distribution instead of single values.

I will show an example of such shift on image processing in astrophysics.

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Classification de thématique: ML for data reduction : Application of Machine Learning to data reduction, reconstruction, building/tagging of intermediate object