

D7.1 - Image Classification use case

Results using AML and Human Interaction - Initial

This deliverable covers the application of Algebraic Machine Learning (AML) to medical images. First, we discuss the case of discrete inputs and how we have also extended our engine for real values. We then report results for discrete and real-valued cases. In the discrete case, we report first our results on the standard hand-written recognition problem using the MNIST dataset. We then discuss the case of medical images of pneumonia and breast cancer using the medMNIST dataset. Finally, we report on the real-value case for simple functions and also for more complex cases, showing that “algebras” can learn continuous functions.