Abstract

- $\bullet\,$ MDL is a principle that utilizes compression as a means of describing data
- $\bullet\,$ There exist many MDL-based algorithms for a variety of problems
- Few (no?) solutions exist to mine grid-like data based on MDL
- VOUW is a novel approach to discover patterns and structural relations in 2D, discrete datasets
- We propose both a theoretical framework as well as a complete, optimized implementation