LatViz is a new tool which allows the construction, the display and the exploration of concept lattices based on the Formal Concept Analysis (FCA) formalism. In the classical setting, FCA starts from a binary table and outputs a complete lattice whose elements are concepts composed by an extent and an intent.

This provides FCA very good capabilities regarding knowledge discovery and knowledge representation as well.

The LatViz system proposes some remarkable improvements over existing lattice drawing tools related to FCA.

It introduces various new functionalities focusing on interaction with experts, such as visualization of pattern structures, AOC-posets, concept annotations, and filtering based on various criteria and visualization of implications.

Based on these capabilities, the analyst can effectively perform interactive exploratory knowledge discovery and knowledge engineering.