

Document Processing Using Formal Concept Analysis

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Formal concept analysis (or concept lattices) have repeatedly been applied to document processing and clustering over 15 years. But what are the outcomes? In this talk I will trace the history of the idea and show some recent results. The main emphasis of the talk will be on computability, interface design and usability issues. Some of the most exciting recent results demonstrate the idea by applying it to image browsing. In the image case sub-context clustering using concept lattices is based on various combinations of meta-data tags, colour and shape attributes using MPEG-7. These outcomes give arguably the best platform for concept lattices to date.