Reservoir provides many benefits to human life generally and public society specifically. It leads to the generalization of energy, supplying and irrigating water for human use, hence improving human daily basis activities and fulfilling human needs. Yet, everything has its own weaknesses. As for the reservoir situation, there is a possibility of the operation to be failed and will leads to the creation of flood that is very harmful for the area of the reservoir. This research had been conducted with the implementation of information visualization, data mining and case based reasoning techniques in order to help the process of generating visualization result in opening or closing the gate of the dam to channel out excessive water. As a conclusion, the process of visualizing numerical values is proven to be faster than the normal process. Using visualization, people tend to make fewer mistakes for a large quantity of data. However, for upcoming time-being, it is advised that some methods of calculating the similarity of these visualize cases is implemented since visualization alone is still not enough to provide precise results. © 2010 IEEE.

Subject : Case based reasoning; Data mining; Information visualization; Reservoir; Timah Tasoh Dam

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