Implementation of Case-based Reasoning System for Criminal Judgement

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Abstract

Case-Based Reasoning (CBR) is the process of solving new problems based on the solutions of similar past problems. The CBR can be used to find the specific knowledge of previously experienced problem situations (cases).The purpose of this system is to develop a case-based reasoning system for criminal judgment. A new problem is solved by finding a similar past case, and reusing it in the new problem situation. CBR is also an approach to incremental, sustained learning because a new experience is retained each time a problem has been solved, making it immediately available for future problems. By using the knowledge of expert and documentation, this system applies four tasks of CBR for criminal judgements. The system produces the judgment or punishment as case output. The system can also retain the successful case solutions for future assistance.