

# Case Based Reasoning A Concise Introduction Synthesis Lectures On Artificial Intelligence And Machine Learning

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### Case Based Reasoning A Concise

#### **An Introduction to Case-Based Reasoning\* - MIT Media Lab**

An Introduction to Case-Based Reasoning\* Janet L Kolodner\*\* College of Computing, Georgia Institute of Technology, Atlanta, GA 30332-0280, USA  
Abstract Case-based reasoning means using old experiences to understand and solve new problems In case-based reasoning, a reasoner remembers a ...

#### **MORGAN CLAYPOOL PUBLISHERS C RTIF ICIAL &M AND A ...**

Case-Based Reasoning A Concise Introduction Beatriz López, University of Girona, Spain Case-based reasoning is a methodology with a long tradition in artificial intelligence that brings together reasoning and machine learning techniques to solve problems based on past experiences

#### **A New Case-Based Reasoning Method Based on Dissimilar ...**

A New Case-Based Reasoning Method Based on Dissimilar Relations Ning Xiong Case-based reasoning (CBR) is a subfield of machine learning, which attempts to solve new problems by reusing previous experiences There is a close link between learning of relations and case-based reasoning in hypotheses or concise knowledge models from

#### **Causal Query Elaboration in Conversational Case-Based ...**

more concise case representations Introduction Conversational case-based reasoning (CCBR) (Aha et al, 2001) is a case-based reasoning (CBR)

(Aamodt & Plaza, 1994) methodology that supports incremental query refinement It has been primarily deployed for use in help-desk (Acorn & Walden, 1992), troubleshooting (Gupta,

### **Case-Based Reasoning for Design Patterns Searching System**

Case Based Reasoning System Case Based Reasoning (CBR) [16] [17] is a problem solving system that uses past experiences as knowledge used to solve similar problems The knowledge is represented as a case that consists of problem description and solution Several cases are collected into the case base CBR processes consist of (i)

### **207 Case-Based R for Biomedical Informatics and Medicine ...**

Case-Based R 13 Case-Based Reasoning for Biomedical Informatics and Medicine Periklis Andritsos, Igor Jurisica, Janice I Glasgow Case-based reasoning (CBR) is an integral part of artificial intelligence It is defined as the process of solving new problems through their comparison with similar ones with existing solutions

### **Applying Learning by Observation and Case-Based Reasoning ...**

Applying Learning by Observation and Case-Based Reasoning to Improve Commercial RTS Game AI Glen Robertson Supervisor: Assoc Prof Ian Watson Department of Computer Science University of Auckland Auckland, New Zealand ffirstnameeg@csauckland.ac.nz Abstract This document summarises my research in the area of Real-

### **Automated Code Generation Using Case-Based Reasoning ...**

of success to automate code generation, including Case-Based Reasoning, formal methods and evolutionary algorithms In this paper, a system is introduced which combines Case-Based Reasoning, Routine Design and Template-Based Programming to generate programs that handle straightforward database operations This paper

### **Retrieval, reuse, revision, and retention in case- based ...**

Retrieval, reuse, revision, and retention in case-based reasoning 3 In Figure 2, the retrieval distance  $R$  increases as the similarity between the input problem description and a stored problem description decreases (ie, lower similarity means greater distance) A common assumption in CBR is that the retrieval distance  $R$  is commensurate with  $A$ ,

### **Evidence-based care and the case for intuition and tacit ...**

Evidence-based care and the case for intuition and tacit knowledge in clinical assessment and decision making in mental health nursing practice: an empirical apprehension by the mind without reasoning' (Concise Oxford Dictionary) There is a subtle difference between these definitions that have a profound significance on the

### **HOW TO RAFT AN EFFECTIVE CASE COMPARISON**

case, they differ in how the rule is applied to the facts In rule-based reasoning, the legal writer moves from the general (eg, "if a, then b") to a particular ("x is b," where x is a fact in the present case) In analogical reasoning, the legal writer moves from the particular (eg, the

### **How Doctors Think: How to Embed Clinical Reasoning Skills ...**

JGIM Exercises in Clinical Reasoning contributors will guide the interactive workshop, which will integrate case-based, large and small group discussion Summary: Clinical reasoning, an inherent trait of the expert internist, is the essence of diagnosis and the delivery of safe, effective medical care

### **Active Case-Based Reasoning for Lessons Delivery System**

Active Case-Based Reasoning for Lessons Delivery Systems Rosina Weber<sup>1,2</sup>, David W Aha<sup>2</sup>, L Karl Branting<sup>1</sup>, J Robert Lucas<sup>3</sup>, and Irma-Becerra Fernandez<sup>4</sup> 1 Department of Computer Science, University of Wyoming, Laramie, WY 82071

### **Retrieval, reuse, revision and retention in case-based ...**

case-based reasoning However, our aim in this article is to present a concise summary of research that Retrieval, reuse, revision and retention in case-based reasoning 217

### **A Decision Support System For The Diagnosis Of Breast ...**

case based reasoning and fuzzy logic to establish the likelihood of breast cancer given the symptoms Policy makers, medical practitioners (physicians), and patients can use these patterns to provide essential input into the rational planning of cancer control programs

### **Case-based Reasoning for Diagnosis of Stress using ...**

information is essential in this domain This paper presents a case-based reasoning system using fuzzy and cosine similarity to cater decision support for clinicians with emphasis on hybridization of textual data with time series measurements as case representation We use Case-based Reasoning (CBR) as it works well in such domain where the domain

### **FACT SHEET Clinical Reasoning in Pediatric Physical ...**

clinical reasoning include discipline-specific knowledge, metacognition or reflective self-awareness,<sup>1</sup> patient-centered focus,<sup>6</sup> and the development of expertise<sup>7</sup> Case Vignette: Jane is a pediatric physical therapist in an outpatient setting She completes a physical therapy examination with Joey, a 2-year-old boy with delayed gross motor skills

### **Concise case indexing of time series in health care by ...**

Concise case indexing of time series in health care by means of key sequence discovery important issue in applications of case based reasoning in medical cares This paper develops a knowledge discovery approach to discovering significant sequences for depicting symbolic time series cases The input is a case library

### **WRITING A CASE NOTE I. What is a Case Note?**

An article is broader still and, unlike a case note or comment, is a non-student legal essay written either by a noted legal authority or a person with expertise in a certain area In selecting a case that merits analysis, the Law Review Staff looks for a “noteworthy” case A case of first impression or a case that represents a significant

### **The Case of Dinosaur Metabolism**

"The Case of Dinosaur Metabolism" The Science Teacher 846, 31-36 Please note that the Publication Information provides general citation information and may not be appropriate for your discipline To receive help in creating a citation based on your discipline, please visit scientific, evidence-based reasoning to analyze claims and sup-