Examples of Rules and Reasoning

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- Rules and reasoning occur in many contexts in industry and government
    - What are examples of successful and unsuccessful uses of rules and reasoning?
    - What can one learn about them?
    - Are there cross-industry best practices?
- Examples where rules and inference are used.
    - Databases have constraints and triggers.
    - Many programming languages have type inference.
    - Business rule engines
    - Situation awareness in military and medical settings
    - Military rules of engagement