Chapter 1

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Artificial intelligence can be broken into two categories of thought.

Strong AI is the concept that given enough processing power and information a computer can think like a human. Strong AI has never been accomplished and is more of a long term sci-fi goal.

Weak AI is the alternative (and much more attainable) concept to strong AI. Intelligent behavior can be modeled and follow by a computer.

To create AI, we use different types of methods to process the problems and the information.

Weak Methods focus on inferencing through logic and automated reasoning. This does not necessarily include any real knowledge about the problem domain. Early research was entirely focused on this area.

Strong Methods depend on the system being given a large amount of information in the problem domain. Strong methods depend on weak methods because we need a way to sort all of the information.

Production systems use a combination of weak method expert system shells to perform inference, but strong method rules to encode the knowledge.