

Introduction

智能(Intelligence)的定义

“The ability to learn or understand or to deal with new or trying situations: reason also: the skilled use of reason.” Merriam-Webster Dictionary

Key points:

- ◆ **Cognitive Abilities:** process information, learn from experiences, and apply knowledge to new situations
- ◆ **Adaptation:** adjusting one's behavior and strategies to succeed in different context
- ◆ **Problem-Solving:** analyze situations, generate potential solutions, evaluate those solutions, and implement the best one
- ◆



AI is a new technological science that studies and develops theories, methods, technologies, and application systems for simulating, extending, and enhancing human intelligence and intelligence from nature.

knowledge-based systems(知识库系统)

- 在工业领域有巨大的影响
- 是基于确定性的规则的, 难以考虑一些不确定性
- 需要大量的人力资源来维护