AI and robotics: opportunities, challenges and the future

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ΑΙ

- Science and engineering of computer systems considering both software and hardware
- Applications draw parallel to human capabilities visual perception, communication, decision making, planning
- Al systems can learn from data (experience) and improve own performance over time
- Multitude of methods: machine learning/deep learning, logical reasoning, expert and rule-based systems, case-based reasoning, ...

Robotics and AI are everywhere





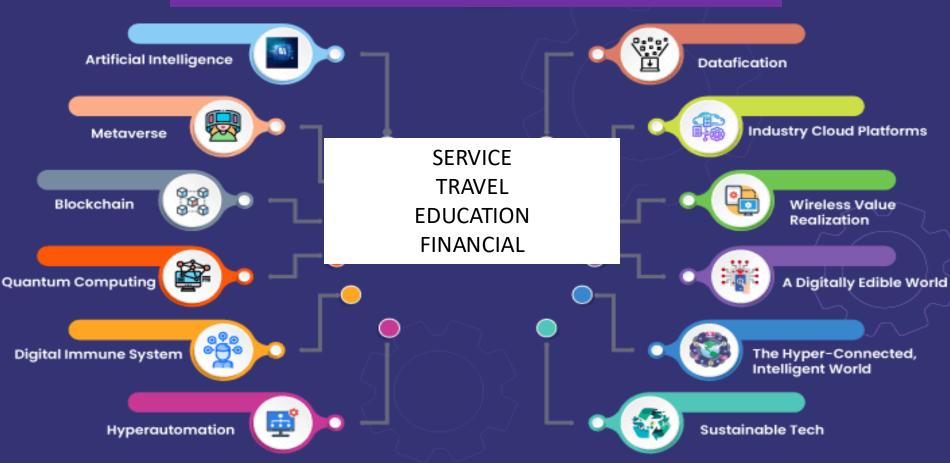
Trimble and Boston Dynamics Announce Strategic Alliance to Extend the Use of Autonomous Robots





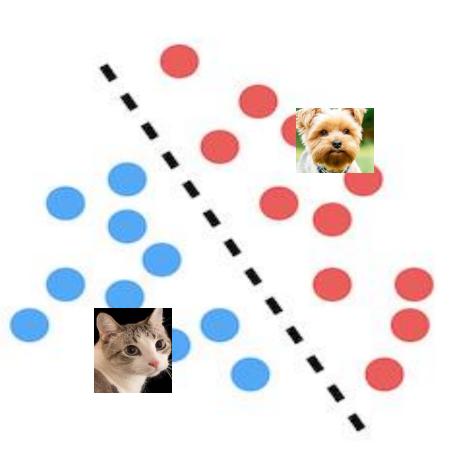


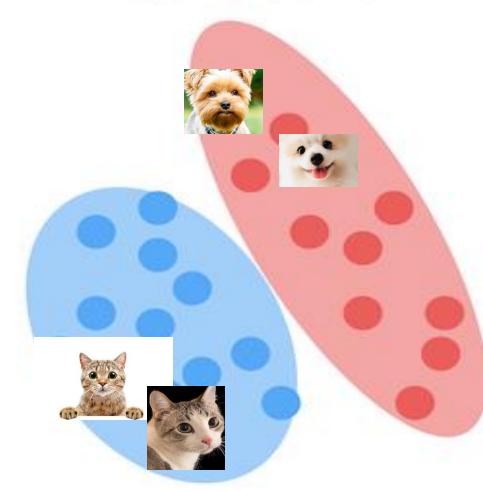


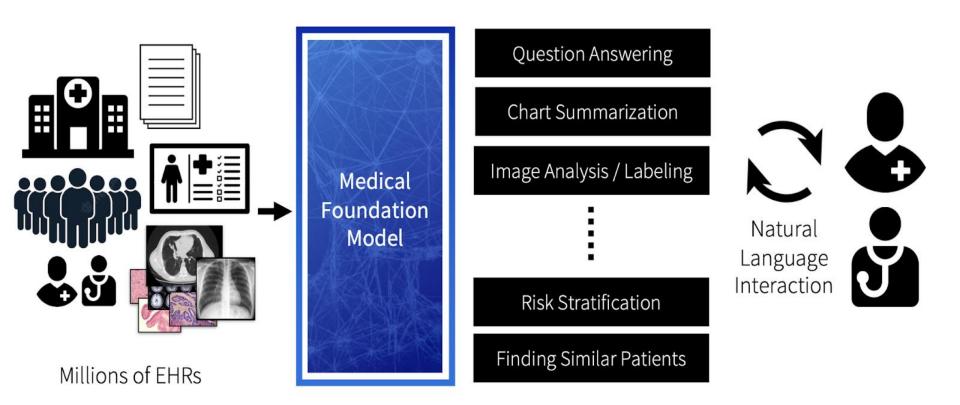


Discriminative

Generative







HEALTHCARE DATA

REUSABLE COMPONENTS

TASK ADAPTATION

HUMAN-AI COLLABORATION

