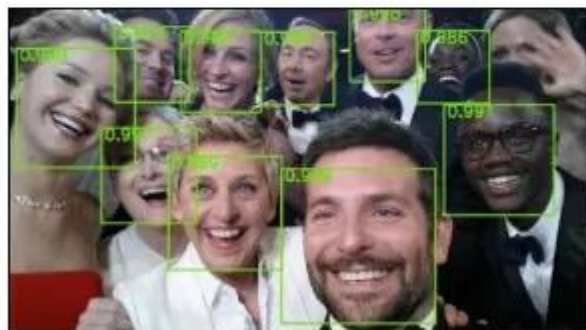
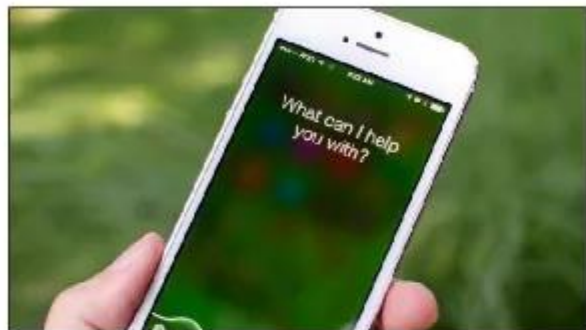


Artificial Intelligence - I

In our imagination...



Artificial Intelligence in everyday products...



Sub-Areas of AI

- Medical Diagnosis
- Fraud Detection
- Natural Language Processing
- Knowledge Representation
- Automatic Reasoning
- Automatic Planning
- Scheduling
- Data Mining/Machine learning
- Information Retrieval

Applications

- **Business** : Financial strategies, give advice
- **Engineering**: check design, offer suggestions to create new product
- **Manufacturing**: Assembly, inspection & maintenance
- **Mining**: used when conditions are dangerous
- **Hospital** : monitoring, diagnosing & prescribing
- **Education** : In teaching
- **household** : Advice on cooking, shopping etc.
- **farming** : prune trees & selectively harvest mixed crops.

AI Techniques

- Rule-based
- Fuzzy Logic
- Neural Networks
- Genetic Algorithms

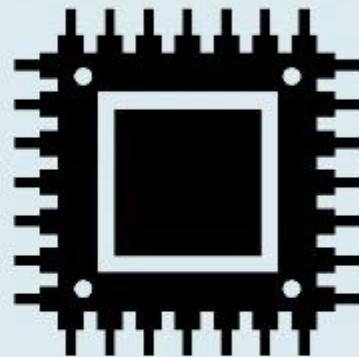
Why is AI becoming usable for business?



Algorithms



Data



Computing
Power

Artificial Intelligence as Technology and Service

What is available on the market

Services built on AI



Platforms, SaaS and APIs



Technologies and Research



What is available on the market

