Unleashing the power of shared AI

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Mainly.AI®

Artificial Intelligence Networking Company
Stockholm, Sweden and Palo Alto, CA, USA

Easier, faster, better performing AI solutions

AI sharing and collaboration without data sharing

Highest level of data security and privacy protection

Artificial Intelligence

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Technologies

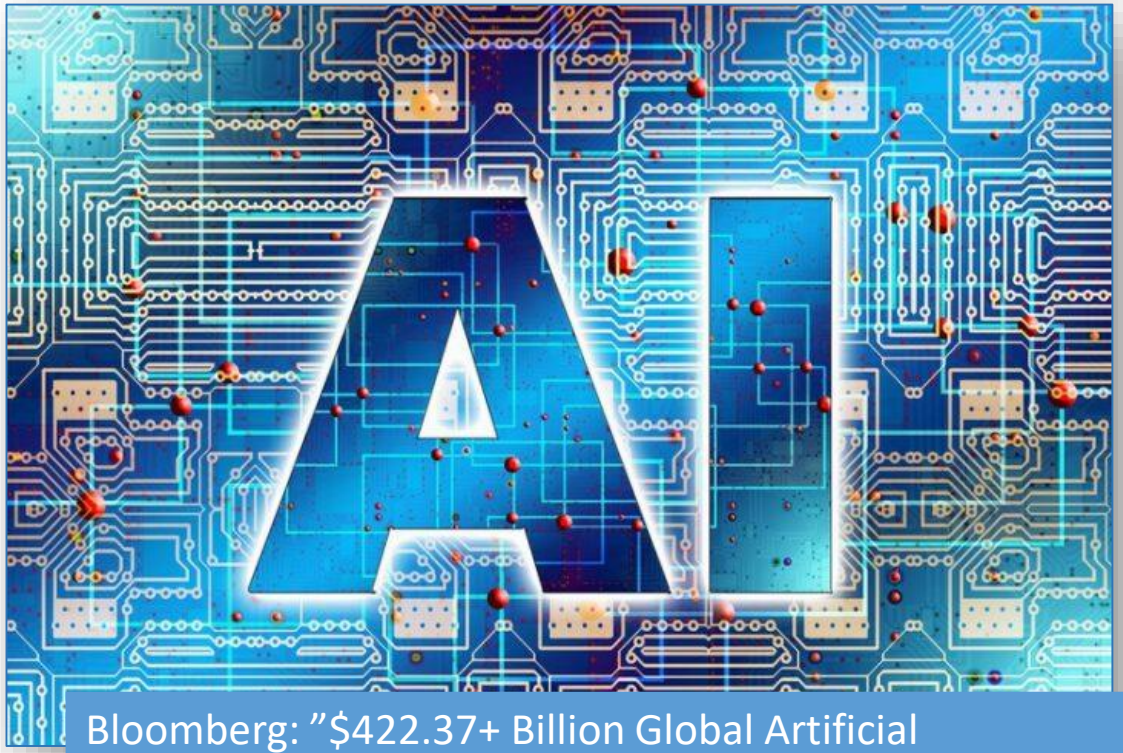
- allow machines to **train and learn** from real-life observations or big **data sources**

Successful

- in healthcare, finance, production, commerce, cars, robotics, telecom, cell phones, etc

Examples

- personalized medicine, Chess and GO world champion, genome sequencing, digital assistants, natural language processing, face recognition, autonomous driving, etc



Bloomberg: ”$422.37+ Billion Global Artificial Intelligence (AI) Market Size Likely to Grow at 39.4% CAGR During 2022-2028”

Artificial Intelligence Challenges

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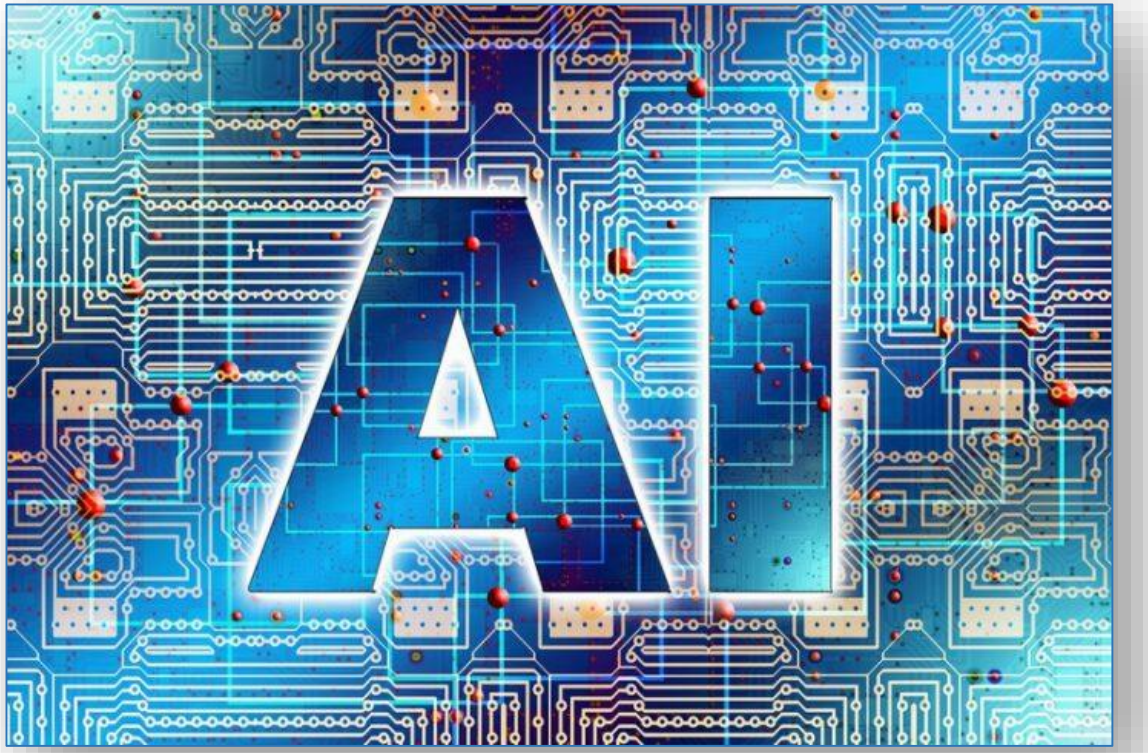
AI requires data for learning

- **data security and privacy** concerns among users and potential adopters of AI
- **organizational sharing** requires data sharing
- slowing down the adoption of AI

AI learning is expensive

- **carbon footprint** and **time-consumption** are concerns
- **access to compute recourses** is a concern
- tech giant recently spent carbon-emissions equal to building and driving five cars over their lifetimes, on training one single AI model



Artificial Intelligence Solutions

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Problem	Solution
Data security and privacy concerns	Sharing AI solutions without sharing raw data in an environment with highest data security
Organizational sharing requires data sharing	Easy organization, storing and sharing of AI solutions between and within companies
AI training is resource and time intensive	AI solutions from shared AI algorithms, including shared learning, to enable faster and cheaper AI
AI requires access to powerful compute	Straightforward, desktop-based, modular system to create & combine AI solutions fast & robustly

MainlyAI in ASSET

Overall Problem Statement:

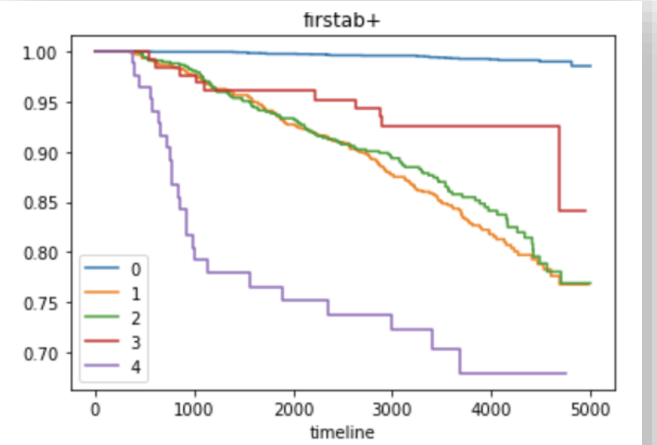
- Based on the TEDDY database, the objective is to give a **probability** of whether or not, and if likely **when**, a person will develop T1D

Results so far:

- Interpretation, structuring and onboarding of TEDDY data during data setup
- Several data analysis studies on TEDDY data, inspired by published scientific work, including e.g., survival analysis (Kaplan-Meier and Cox Proportional Hazards)

Work in Progress

- Predictive AI model incorporating temporal data



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Future vision:

- Apply Federated Learning
- Semantically link insights from other fields to improve accuracy
  - Autoimmune diseases
- Carried out in a secure environment