How Augmented Data and AI can Turbo Charge Value and Decision Making
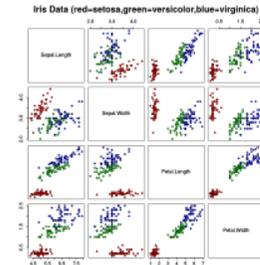
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My early days with MATLAB/Neural Networks

- 1993 – Uni @UC Iris Flower recognition using MATLAB

- 1995 – 1st Job Cooling off a nuclear reactor using MATLAB

- 2017-2019 – Embody Digital's Conversational Agent using MATLAB

Why Ai

Automation/ Productivity

Evolution in increasing productivity from 1990s Workflow and BPMS to Robotics Process Automation where human action such as filtering, analysis and decision making is replaced by RPA

Gaining insight through data analysis

Identify patterns in vast volumes of data and interpret their meaning for additional competitive edge, avoidance of disruption, exploring new markets across, geography, product segments or target audience

Cognitive engagement

Engage in a human like dialogue with clients, employees and other stakeholders using conversational agents

Why Now

- Introduction of exponentially increased computing power allowing fast processing of large datasets

- Newly found access to a large, diverse, and context rich Big Data enabling effective and accurate execution of learning models
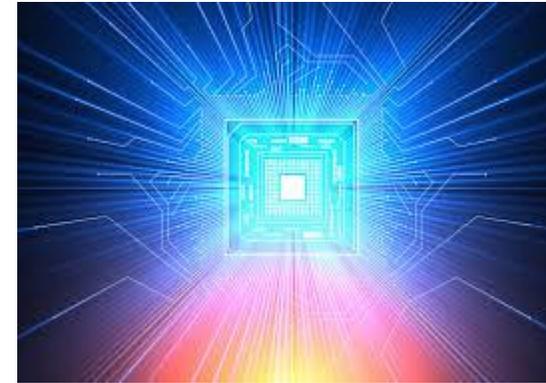
Barriers for Adoption

- Data Quality is the single largest barrier to adoption of Ai application

- Access to Talent – Data scientist who understands business, can differentiate between relevant/non relevant data

- Lack of clarity between the CXO and the engineering/data community with regards to efforts required and value presented by Ai powered solutions

It's (almost) all about Data

Currently there are challenges with integrating relevant, diverse and taxonomies data with Ai powered solutions. In fact deploying an Ai Solution with un useable data is analogous to driving a luxury sports car with bad petrol.

The encouraging news is that most global organisation
have recognised by now
that information is a strategic asset.

There are current opportunities:

- Regulatory environment and Financial Services

- Monetising Data

- Other sectors are not far behind – Resources, Energy, Telecommunication, Agriculture, media distribution

Ai just like regulation is a driver to increase management of data as a strategic asset

How can you help?

- Analyse and clearly identify processes which are good candidates for automation or ML. Ensure use cases can produce a quantifiable ROI

- Educate and Communicate with CXO – be vocal of what "good" looks like
  - Infrastructure/application integration, Effort required to "cleansed" required data, Likely adoption obstacles

- Ensure that project teams contain the relevant skillsets including: Engineers, data engineers, data scientist, infra, apps, data scientists, BA

How can you help – Cont.

- Evangelise the need to train more data scientists

- Recognise that at times human/machine decision collaboration yield a far stronger results

- Ensure Data Engineers have the capacity to cleanse, define and contextualise relevant data

Thank you

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