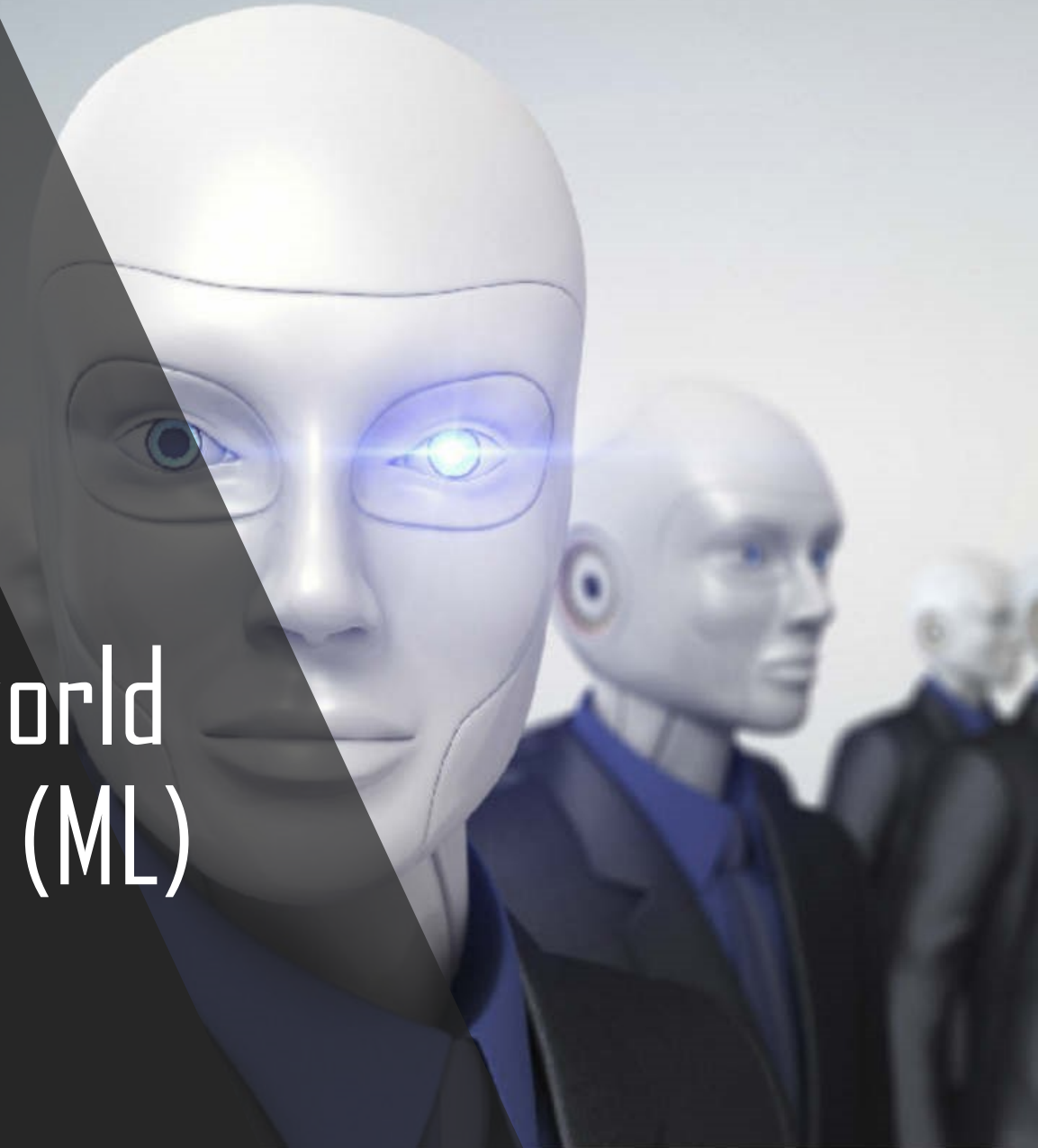Dr. Junya Michanan

CRMA

Class Seminar

To learn and adapt in the world of AI and Machine Learning (ML)

# What is AI & Machine Learning

Artificial Intelligence

Any technique which enables computers to mimic human behavior.

Machine Learning

Subset of AI techniques which use statistical methods to enable machines to improve with experiences.
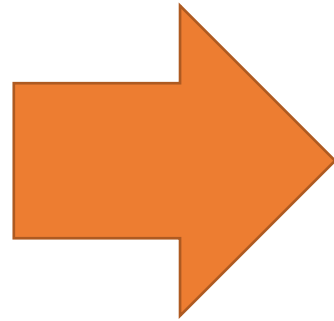
Deep Learning

Subset of ML which make the computation of multi-layer neural networks feasible.

Artificial Intelligence

Machine Learning

Deep Learning
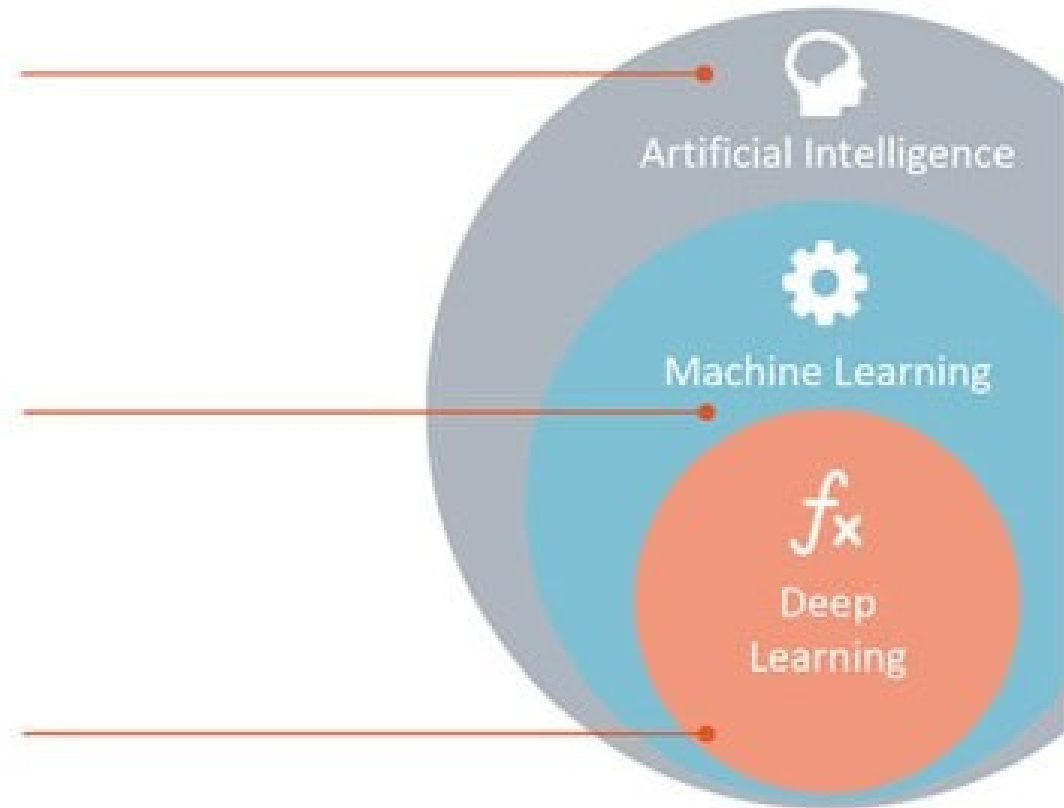
ML Market (North America)
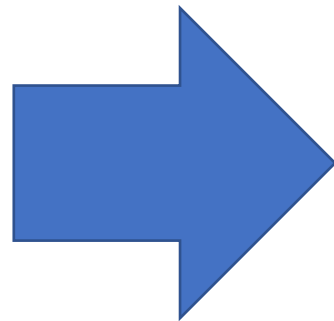
$8.43 billion

2019

→ $117.19 billion

by 2027

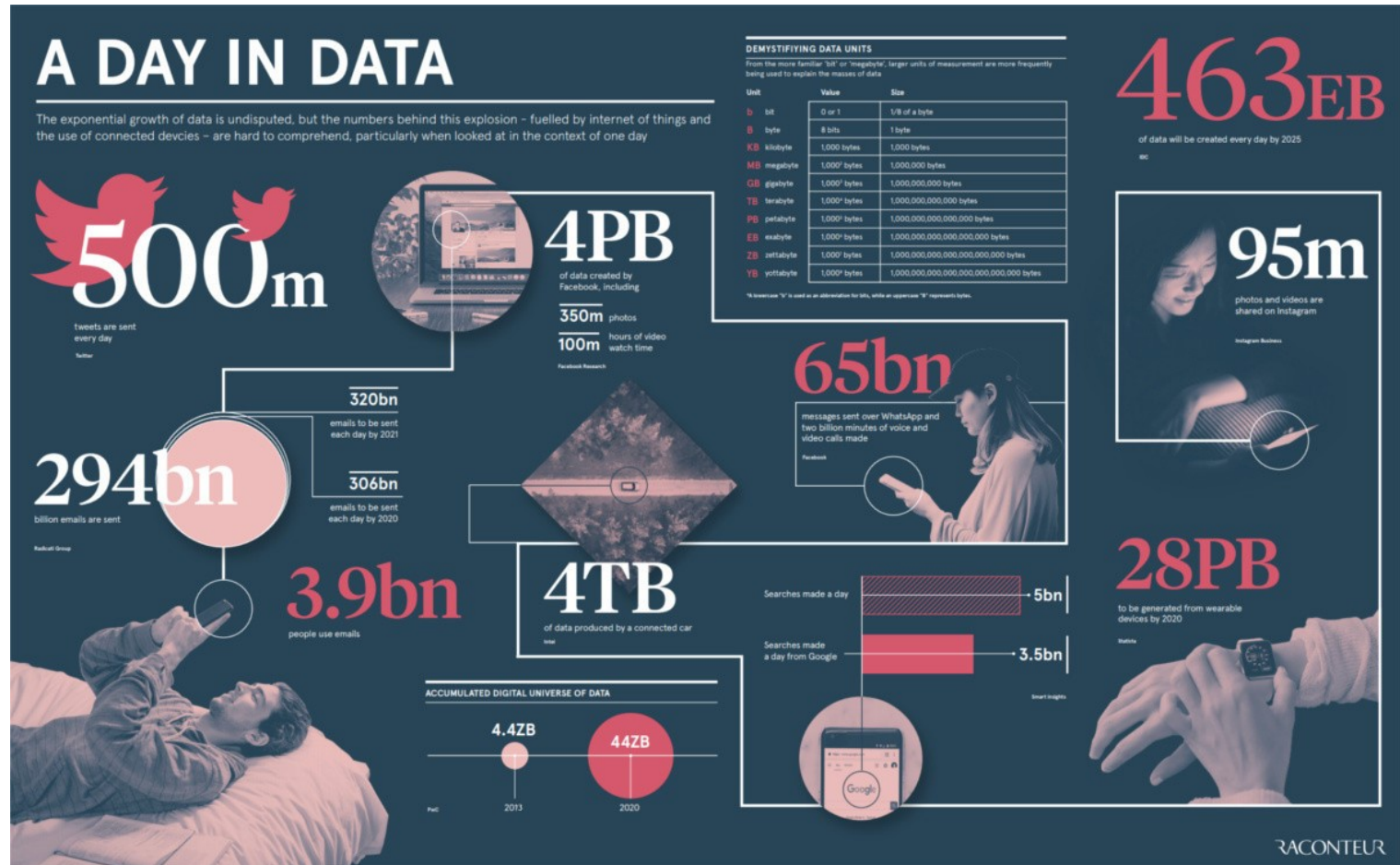# AI + ML Market World)

$14.69 billion

2019

→ $190 billion

by 2025

Data-Driven World

A DAY IN DATA

By 2025, it's estimated that 463 exabytes of data will be created each day globally – that's the equivalent of 212,765,957 DVDs per day!

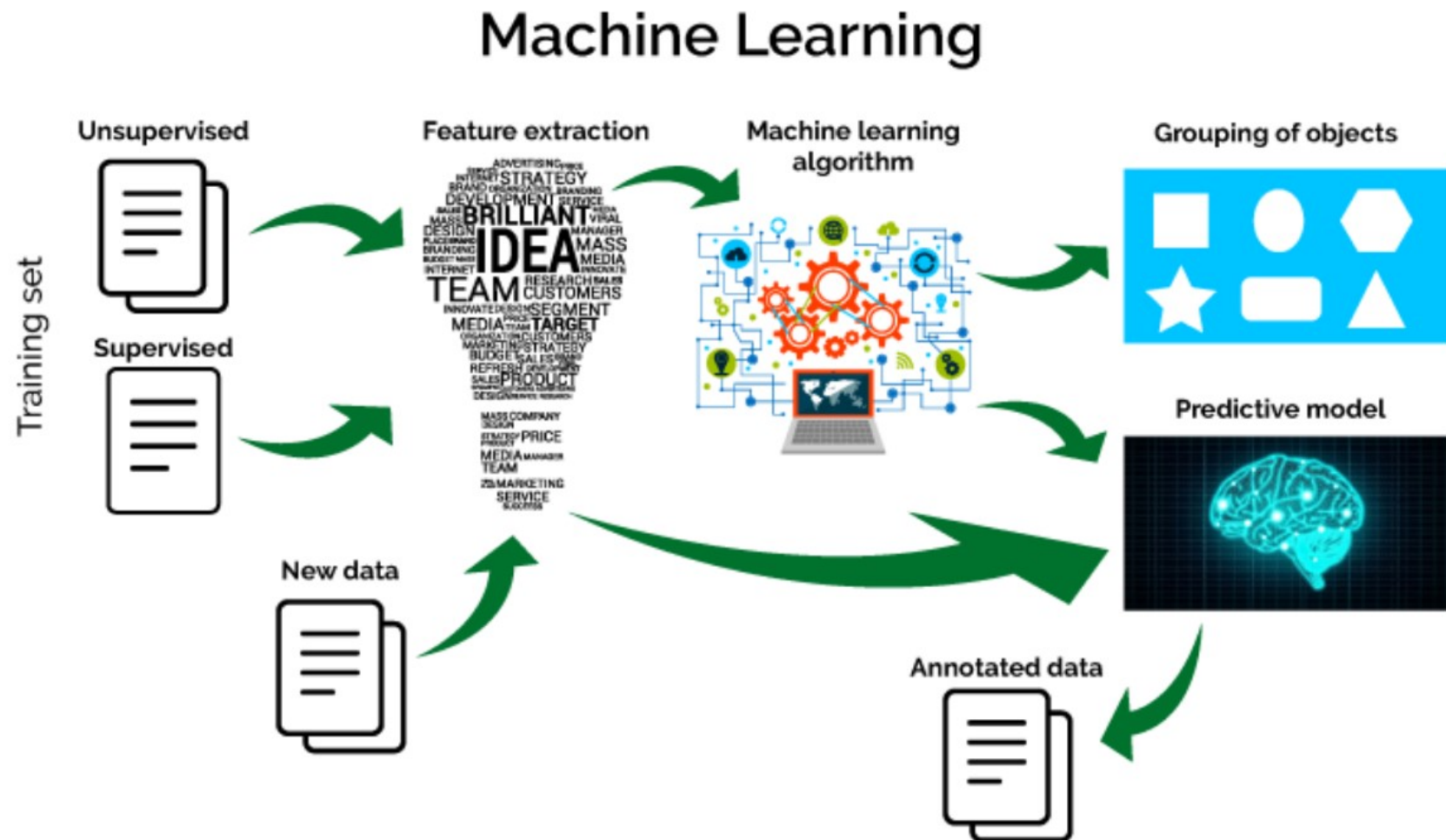Reference: tatavit.com

80%

of the world data

is now unstructured data

Machine Learning and AI needs data to process

Machine Learning

Training set

Unsupervised

Supervised

Feature extraction

Machine learning algorithm

Grouping of objects

Predictive model

New data

Annotated data

Class Seminar:
The AI trend in various sectors in 2021

Ecommerce

Manufacturing

Logistics

Finance

Customer Service

Health

Military
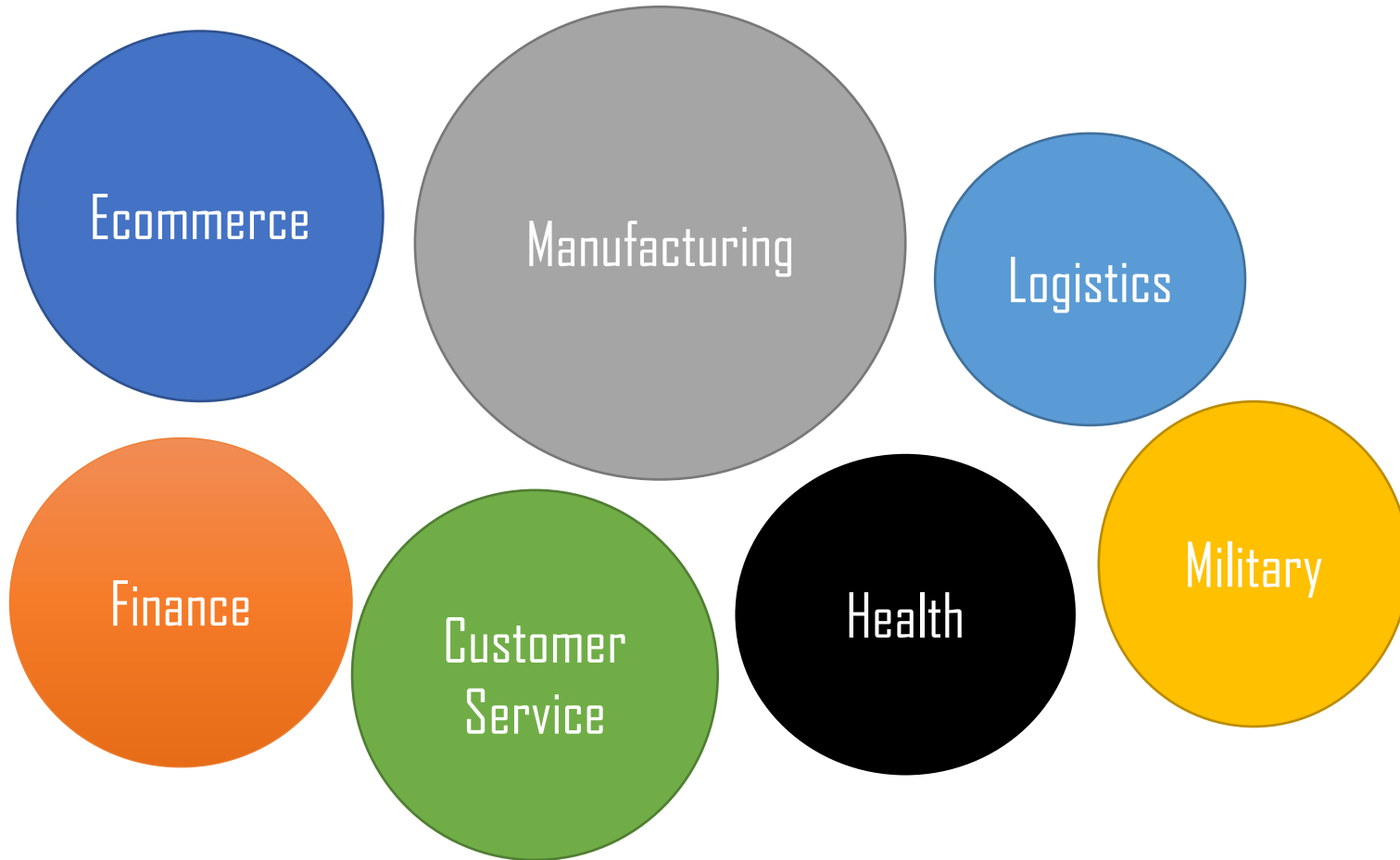
Goals:

1. Give examples of AI technologies and applications in the sectors
2. How the technologies/applications effect our life, society and the world?
3. How do we learn and adapt to live with the future of AI?