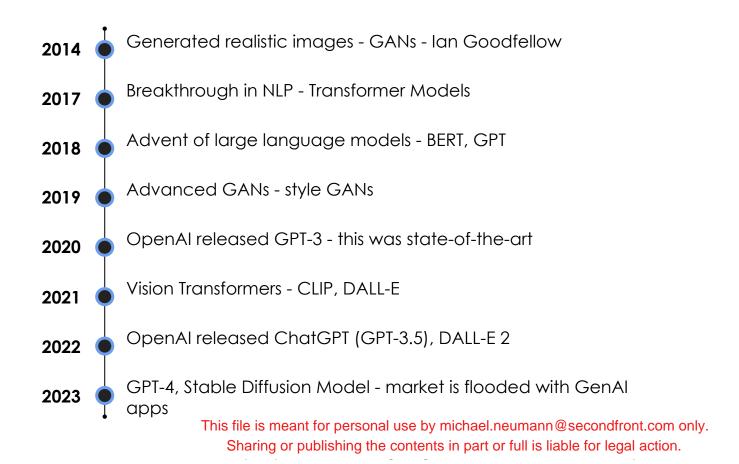
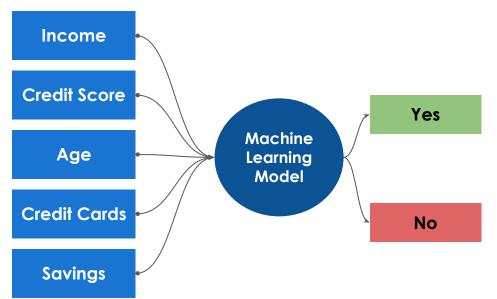


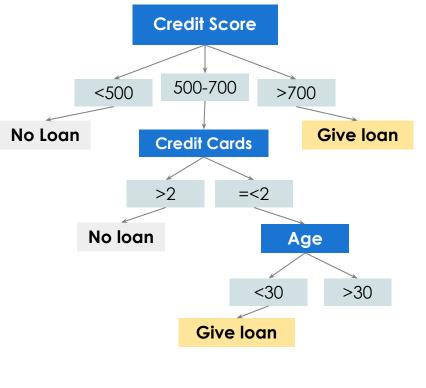
## A Brief History of Generative Al



## **Supervised Learning**

Should I give loan to this customer?

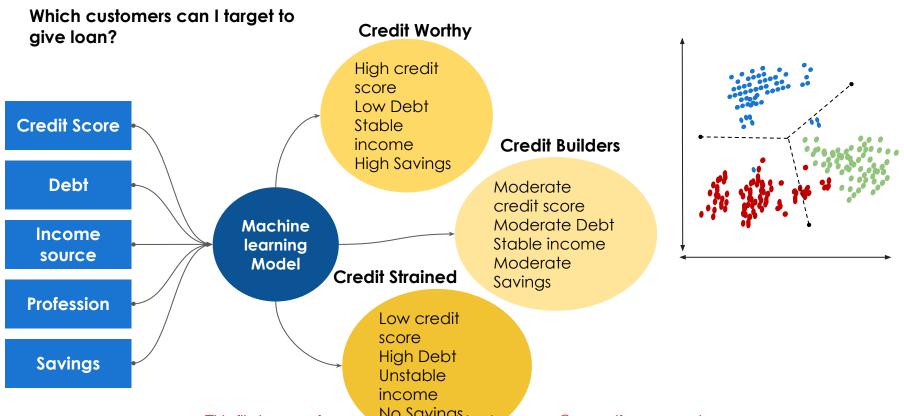




This file is meant for personal use by michael.neumann@secondfront.com only.

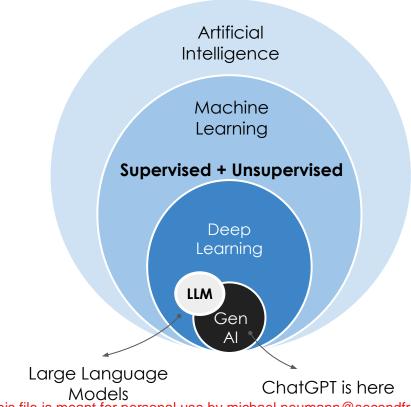
Sharing or publishing the contents in part or full is liable for legal action.

## **Unsupervised Learning**



This file is meant for personal user by Hichael neumann@secondfront.com only. Sharing or publishing the contents in part or full is liable for legal action.

# **Getting the Definitions Right**



Models Charger Is nere
This file is meant for personal use by michael.neumann@secondfront.com only.
Sharing or publishing the contents in part or full is liable for legal action.

#### Discriminative AI vs. Generative AI





**Model**Learns from relationship
between **labels** and
data

Could this be a dog?

Classify



**Discriminative Al** 





**Train** 



Model

Learns from patterns in large amounts of unstructured data

Create an image of dog, having fun in a party, wearing a black tuxedo with wine in one hand

Generate



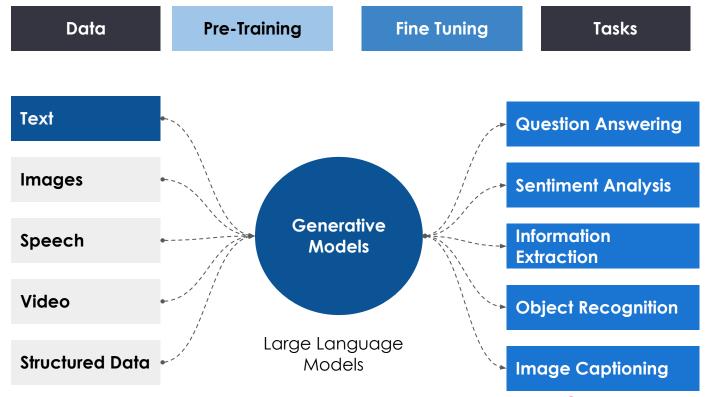
**Generative Al** 

Other images on the internet

This file is meant for personal use by michael.neumann@secondfront.com only.

Sharing or publishing the contents in part or full is liable for legal action.

### A Peek into Generative Al Models



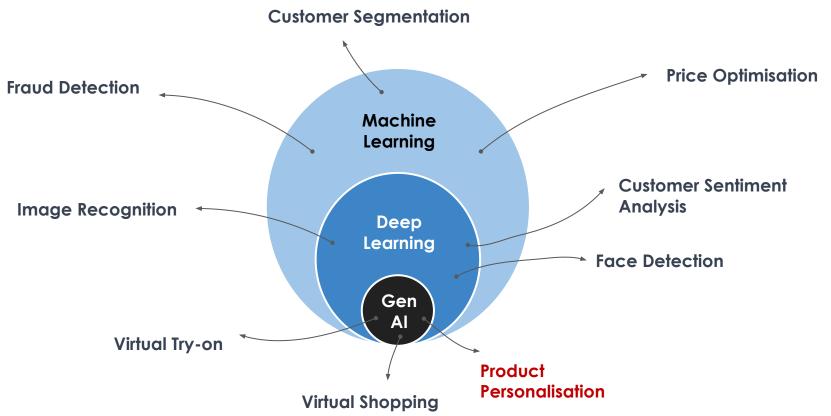
This file is meant for personal use by michael.neumann@secondfront.com only.

Sharing or publishing the contents in part or full is liable for legal action.

## Large Language Models (LLMs)

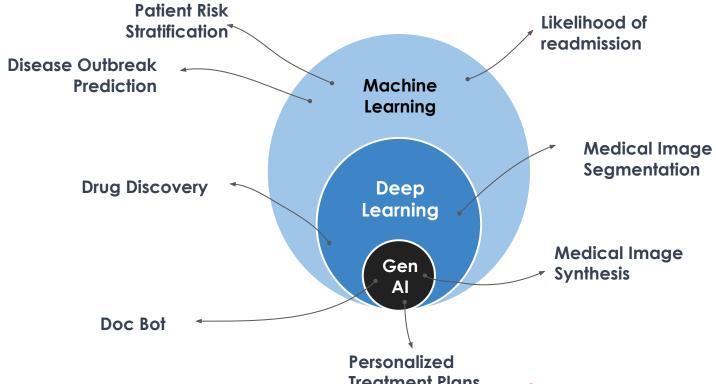
- Large, because 2 things:
  - 1. trained on large amounts of data
  - 2. billions of trainable parameters
- Language, because it deals with text data (takes input in text and generates output in text).
- Model, because it predicts the next word/sentence/token.
- So LLMs are language models consisting of a neural network with billions of parameters, trained
  on large quantities of unlabeled text using self-supervised learning.

### **Business Problems solved by GenAl - Retail**



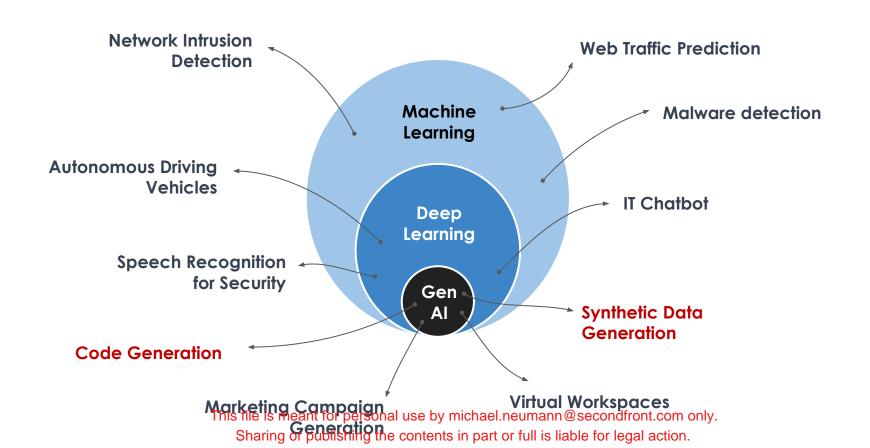
This file is meant for **psishalnt**se by michael.neumann@secondfront.com only. Sharing or publishing the contents in part or full is liable for legal action.

### **Business Problems solved by GenAl - Healthcare**



This file is meant for personal use by michael neumann@secondfront.com only. Sharing or publishing the contents in part or full is liable for legal action.

### **Business Problems solved by GenAl - Tech**





**Happy Learning!** 

