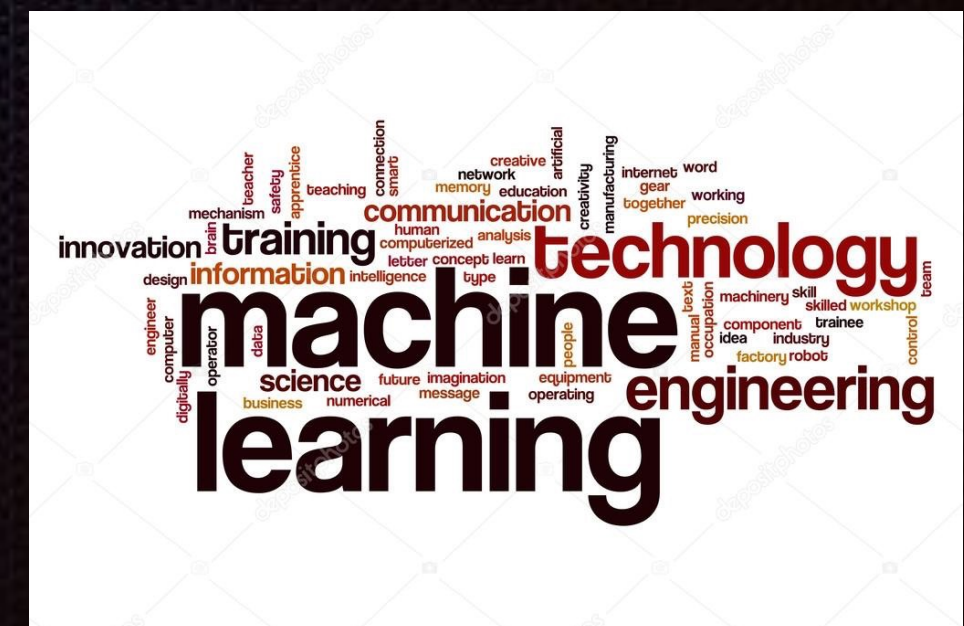


Machine learning success stories

- ✧ Risk assessment, epidemiology and causality
 - ✧ Cancer risk prediction
 - ✧ Gail model for Breast Cancer
- ✧ Impact of inflammation on health
- ✧ Identification of genetic and proteomic risk factors in complex disease



What is ML?

- ✧ Algorithms that ingest data and adapt to mimic and express inherent data patterns
 - ✧ Learns from data
 - ✧ Can provide predictions
- ✧ Algorithms can be
 - ✧ Simple (linear regression)
 - ✧ Complex (decision trees)
 - ✧ Indecipherable or magical (neural networks / deep learning)

