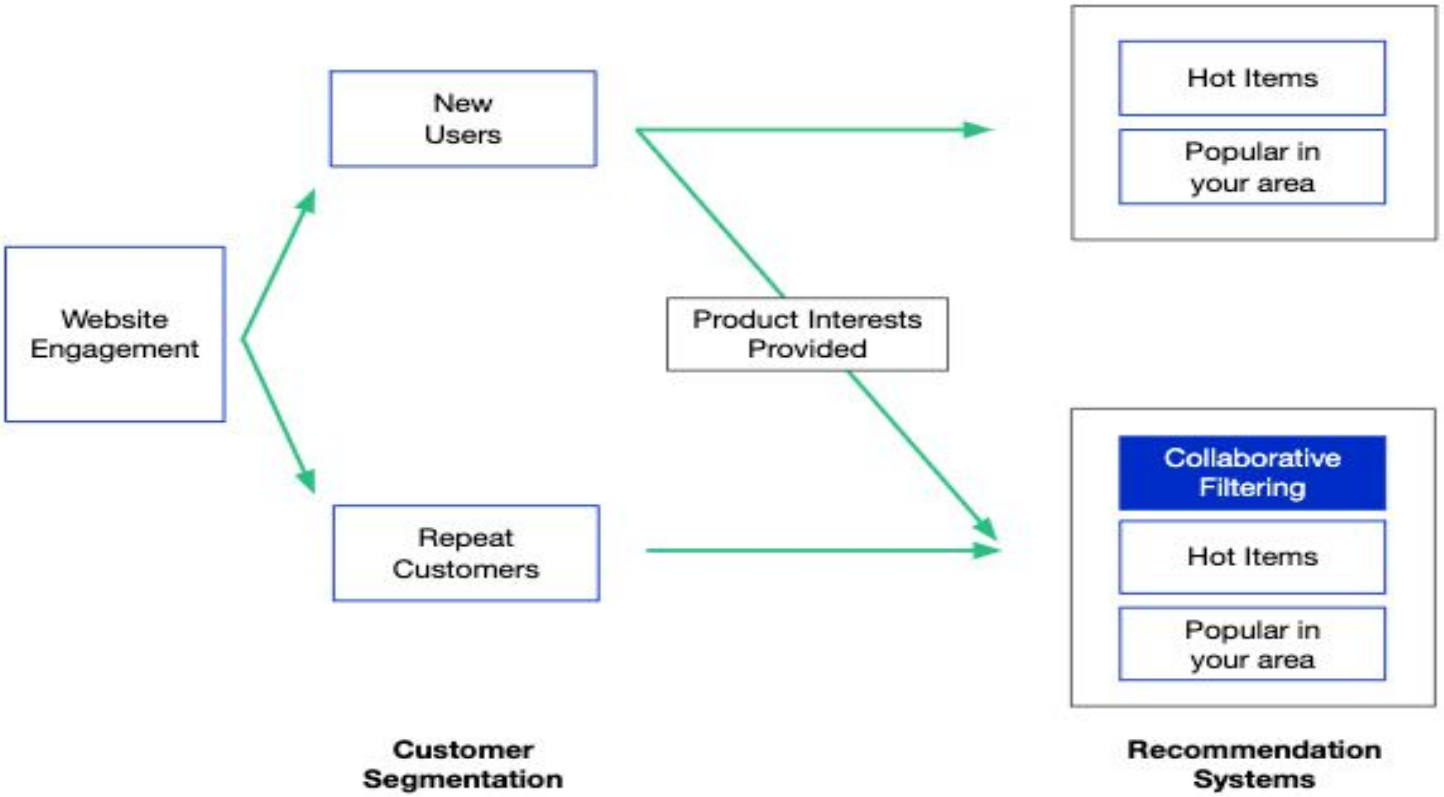
# Artificial Intelligence 101

ltsmecevi.github.io
widyaanalytic.com

# Alan Turing (1950)

I propose to considered the question, Can machines think?

# AI Example: Recommendation System


Website Engagement
New Users
Repeat Customers
Product Interests Provided
Hot Items
Popular in your area
Collaborative Filtering
Hot Items
Popular in your area
Customer Segmentation
Recommendation Systems

# AI Example: Sentimen Analysis

Neuro Linguistic Programming

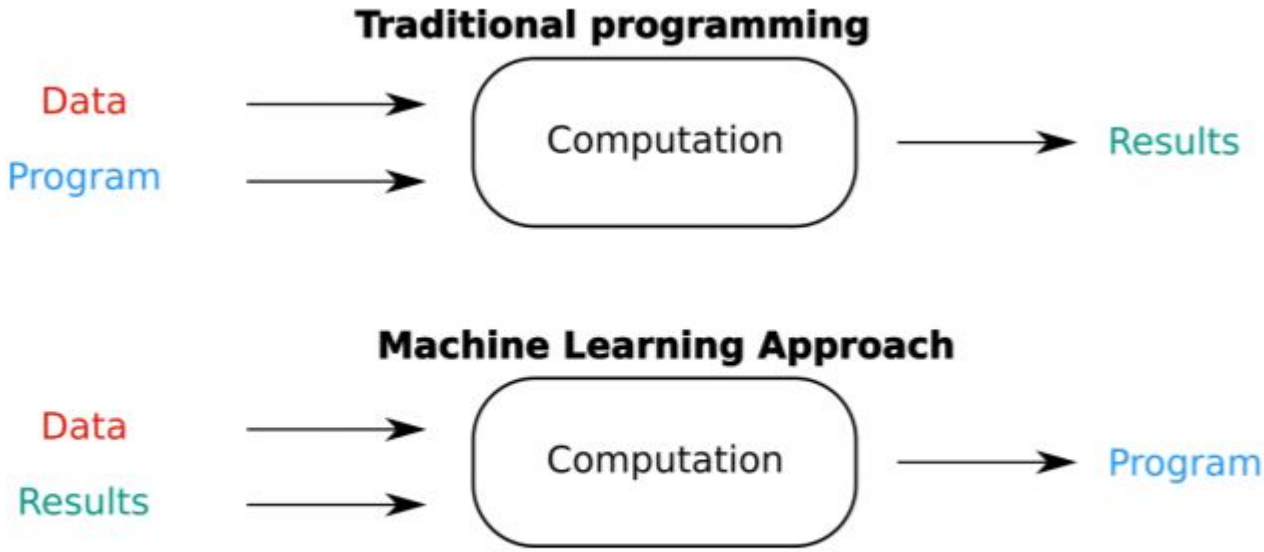
# Sentiment Analysis

# Sentimen Analysis Input Data

Text, Audio, Video, Images

# AI, ML, NN, DL ?

# Traditional Programming vs ML Programming



# Traditional Programming

IF X>3.9 THEN “Cum Laude”

ELSE

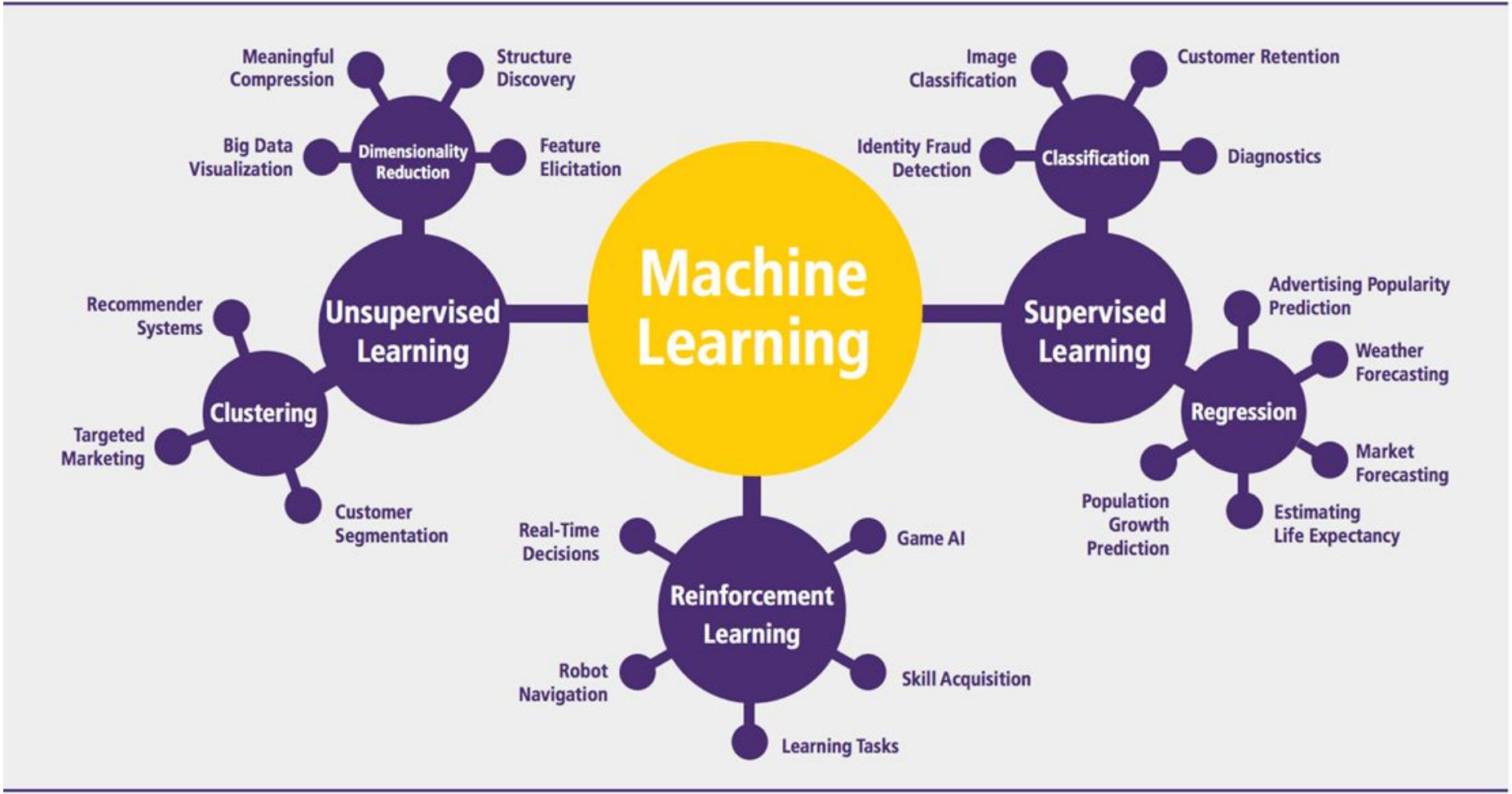
“Ga Cum Laude”

# ML Programming

IF X>3.9 THEN “Cum Laude”

ELSE

“Ga Cum Laude”


Machine Learning
Unsupervised Learning
Dimensionality Reduction
Meaningful Compression
Structure Discovery
Big Data Visualization
Feature Elicitation
Clustering
Recommender Systems
Targeted Marketing
Customer Segmentation
Supervised Learning
Classification
Image Classification
Customer Retention
Identity Fraud Detection
Diagnostics
Regression
Advertising Popularity Prediction
Weather Forecasting
Market Forecasting
Population Growth Prediction
Estimating Life Expectancy
Reinforcement Learning
Real-Time Decisions
Game AI
Robot Navigation
Skill Acquisition
Learning Tasks

# Feel Free to Ask