

REVISITING AI PROJECT CYCLE

STAGE 1- PROBLEM SCOPING

- Identifying Problem
 - Setting Goal
 - 4W Canvas (1. WHO 2. WHAT 3. WHERE 4. WHY)
 - Stakeholder
 - Problem Statement Template
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STAGE 2 – DATA ACQUISITION

Acquiring data from different sources like

- Interview
 - Survey
 - Web Scrapping
 - API
 - Observations
 - Sensors
 - Cameras
 - Internet (data.gov.in)
 - Problem reports
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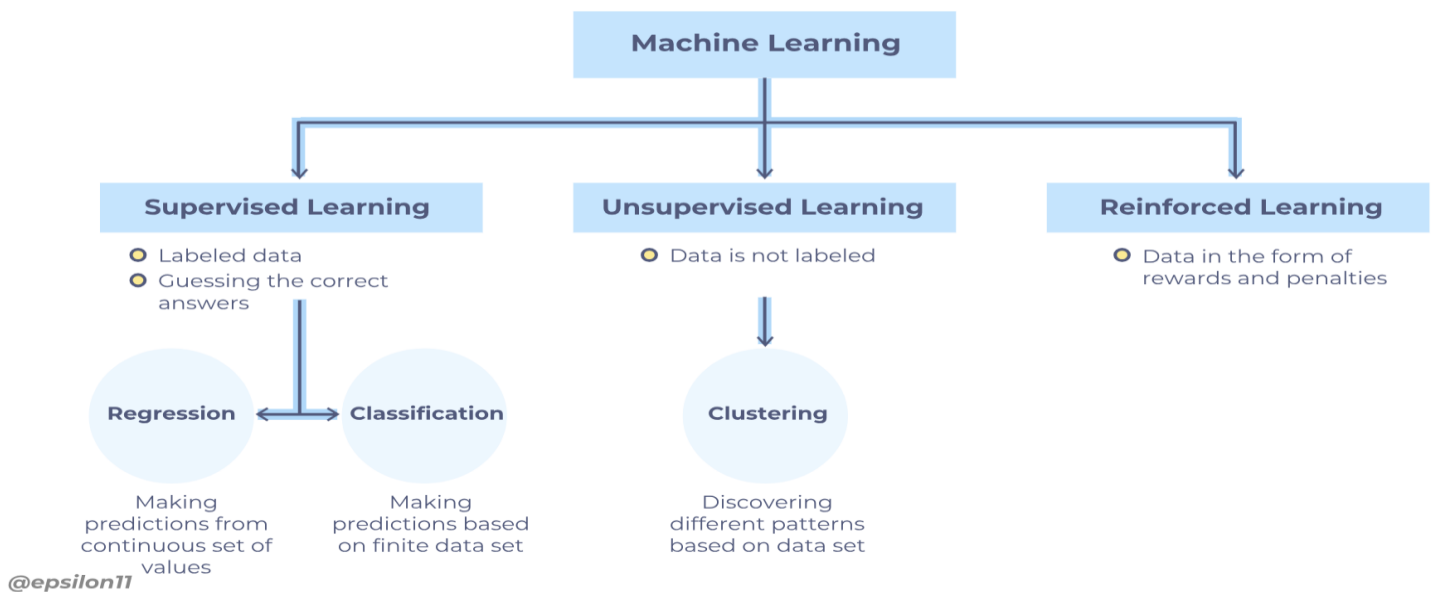
STAGE 3 – DATA EXPLORATION/ VISUALIZATION

- Scatter Chart
 - Bubble Chart
 - Line Graph,
 - Pie Graph,
 - Bar Graph,
 - Histogram
 - Heatmap (values are represented by colours)
 - Choropleth(used with statistical data i.e. numeric with textual data)
 - Timeline
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STAGE 4 – MODELLING

- Training Data and Testing Data are decided.
- Once the most efficient model is chosen AI algorithms is developed around it.
- Rule Based (also called Model Driven)
- Learning Based (also called Learning Based)

ML CLASSIFICATION



STAGE 5 – EVALUATION

- TP (TRUE POSITIVE)
- TN (TRUE NEGATIVE)
- FP (FALSE POSITIVE) also called Type- 1 Error
- FN (FALSE NEGATIVE) also called Type- 2 Error

STAGE 6 – DEPLOYMENT

- On Device/Premise Deployment
(Phone or smart watch)
- Cloud Deployment
(available on Internet services e.g. Google, Microsoft , Amazon)
- Edge Deployment
(Robot move around without crashing, AI Camera on traffic light differentiate People & Vehicles)



with jgoll