Data Mining and Applications

Project: %20 -> Implementation of algorithms without using library and/or framework.

- · Knime : Low Code Platform
- · Dr. Saed Sayad: Mind Map about Data Science
- · Orange: Low Code Platform
- Kaggle: Dataset and Competition Platforn
 Colab: Google's Cloud Solution for Jupyter



Data Warehouse: Designed for decision support applications and technical infrastructure for decision systems.

Data werehouses are

- I) To The Point -> Focused to the goals
- II) Integrated > Integration about consensus about coding, physical...
- III) Have Time Dimension -> Duta of inside warehouse have a time T
- IV) Read-Only -> Dota con't be remove or update.

Data Maning: Process of creating a meaningful results from corporation's duta named as "Data Mining". This process separate meaningful into from big data cumulatives

- · Determining customer's purchasing habbits
- · Revealing the connections between customer's demographic characteristic
- · Retearing exist, gaming now customers
- · Morket basket analysis
- · Customer releastonship management
- · Customer evaluation
- . Sales forecast

5 "REVIEW PROCESS > CLUSTERING EVALUATION -> REGRESSION

- · Revealing hidden relationships between indicators
- · Detection of Fraud
- · Determention of Customer Groups
- · Evaluation of credit represts

- · Resolving attacks
- · Monagement e-CRM
- · Visit analysis

- I) Meet with Data: Type (Quantitative or qualitative), Quality (Massing, Inconstant, Dylasto), Analyse Data (in Terms of 16 Relation shop)
- II) Data Cleaning: Elimentian of fulse informations and missing data. (Any replacement, removing, regression...)