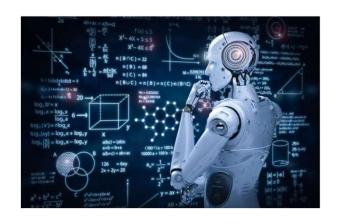# Machine Learning-(*COMP6745*)
Individual Assigment-1

Johannes Simatupang, S.Kom, M.Kom, COBIT5
NIDN : 0318017001

Assignment-1 Instruction

1. *Assignment in Jupyter Notebook (file *.ipynb)*

2. *In Jupyter Notebook Write your Identity (NIM, Name, Class and Asignment Number) in Markdown format.*

3. *Print file *.ipynb to pdf then send email to Johannes.simatupang@binus.ac.id (DueDate Mar 2, 2024 23:59 WIB)*

4. *Weighted value of assignment: 2%*

Assignment-1

Given data of Covid19-Indonesia which can be downloaded in this link https://www.kaggle.com/hendratno/covid19-indonesia

	Date	Location	New Cases	New Deaths	New Recovered	Total Cases	Total Deaths	Total Recovered
0	3/1/2020	DKI Jakarta	2	0	0	489	20	39
1	3/2/2020	DKI Jakarta	2	0	0	491	20	39
2	3/2/2020	Indonesia	2	0	0	2	0	0
3	3/2/2020	Jawa Barat	3	0	0	12	5	135
4	3/2/2020	Riau	1	0	0	2	1	1

Assignment-1

Exploratory Data Analysis (EDA)

- *Conduct a descriptive analysis to understand the features within the dataset. Identify the distribution of data and any patterns that may exist.*

- *Visualize the data to uncover relationships between features using diagrams such as histograms, box plots, and scatter plots.*

- *Find and explain any interesting insights from the data that might be useful for predicting.*

Data Preprocessing

- *Clean the data by handling missing values. Determine your strategy for filling in missing data or removing rows/columns if necessary.*

- *Perform encoding on categorical features and explain why you chose a specific type of encoding.*

- *Normalize or standardize numerical features that you deem necessary, and explain the reason for your choice of method.*

Good Luck