

# *First Gathering*

Data Engineering - Week 1





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*Apa itu  
Data Engineering?*

Data engineering is the practice of **designing** and **building** systems for **collecting, storing**, and **analyzing data** at scale. (Coursera)

# Task

- Acquire **datasets** that **align** with **business** needs
- Develop algorithms to **transform data** into useful, **actionable information**
- Build, test, and maintain database **pipeline architectures**
- Create new data validation methods and data analysis tools

# Data engineering tools

## Data Storage



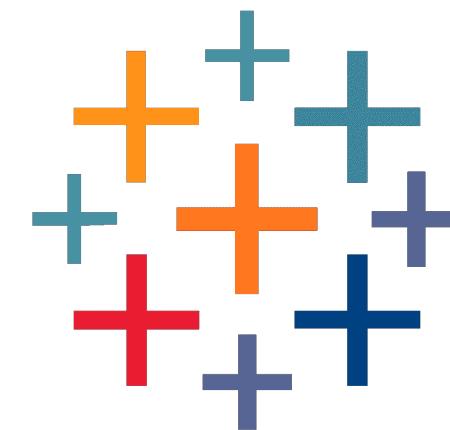
## Data Processing



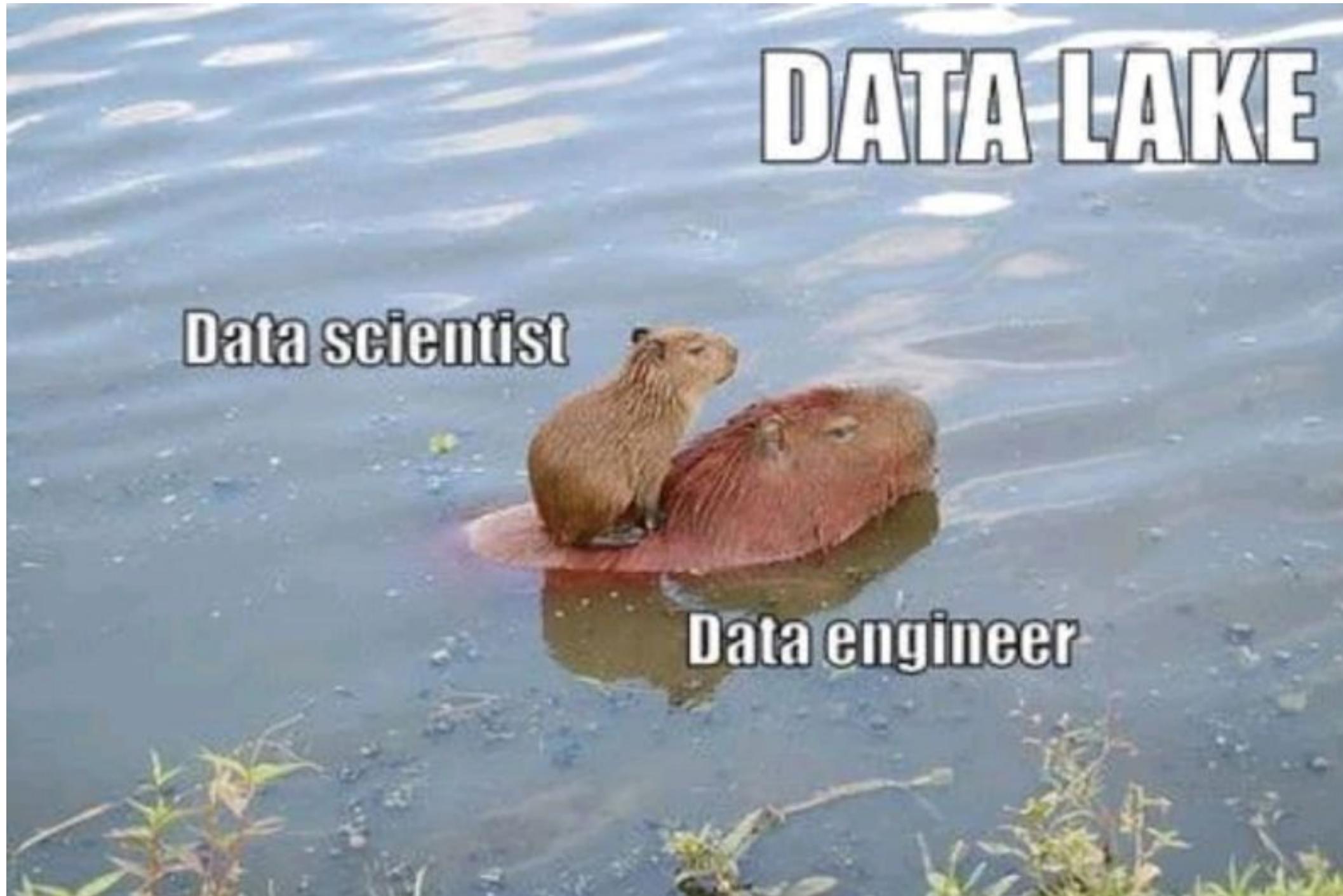
## Orchestration



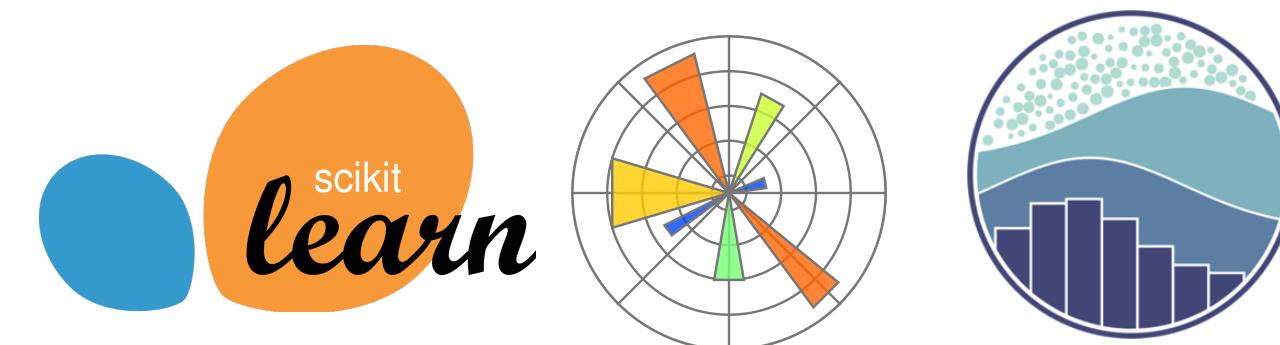
# Our Tools



+ a b | e a u



# Our Timeline



Apr-May

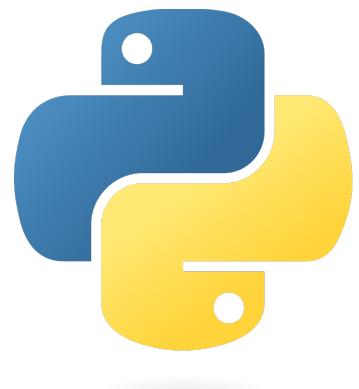


**Final Project**

Aug

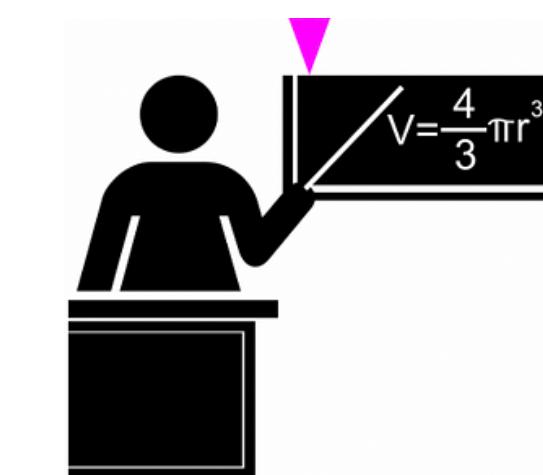
Nov

Dec



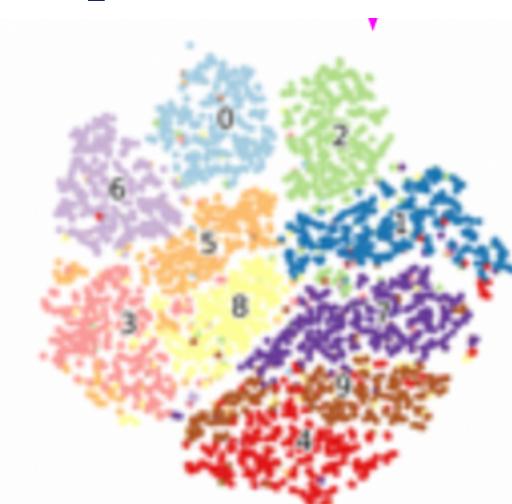
Mar

Jun-Jul

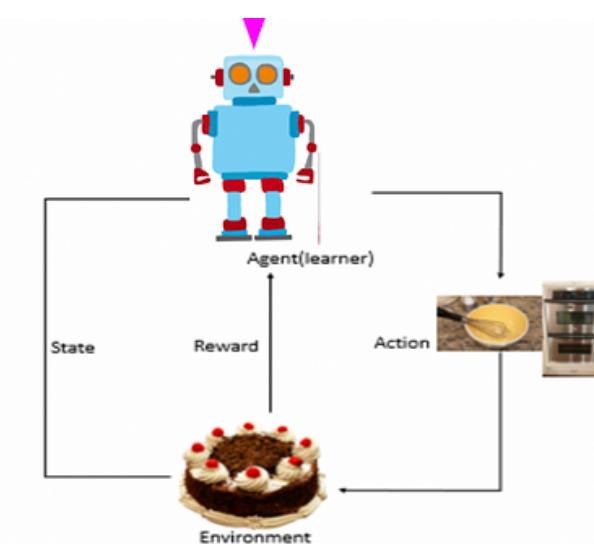


Supervised Learning

Sep-Oct



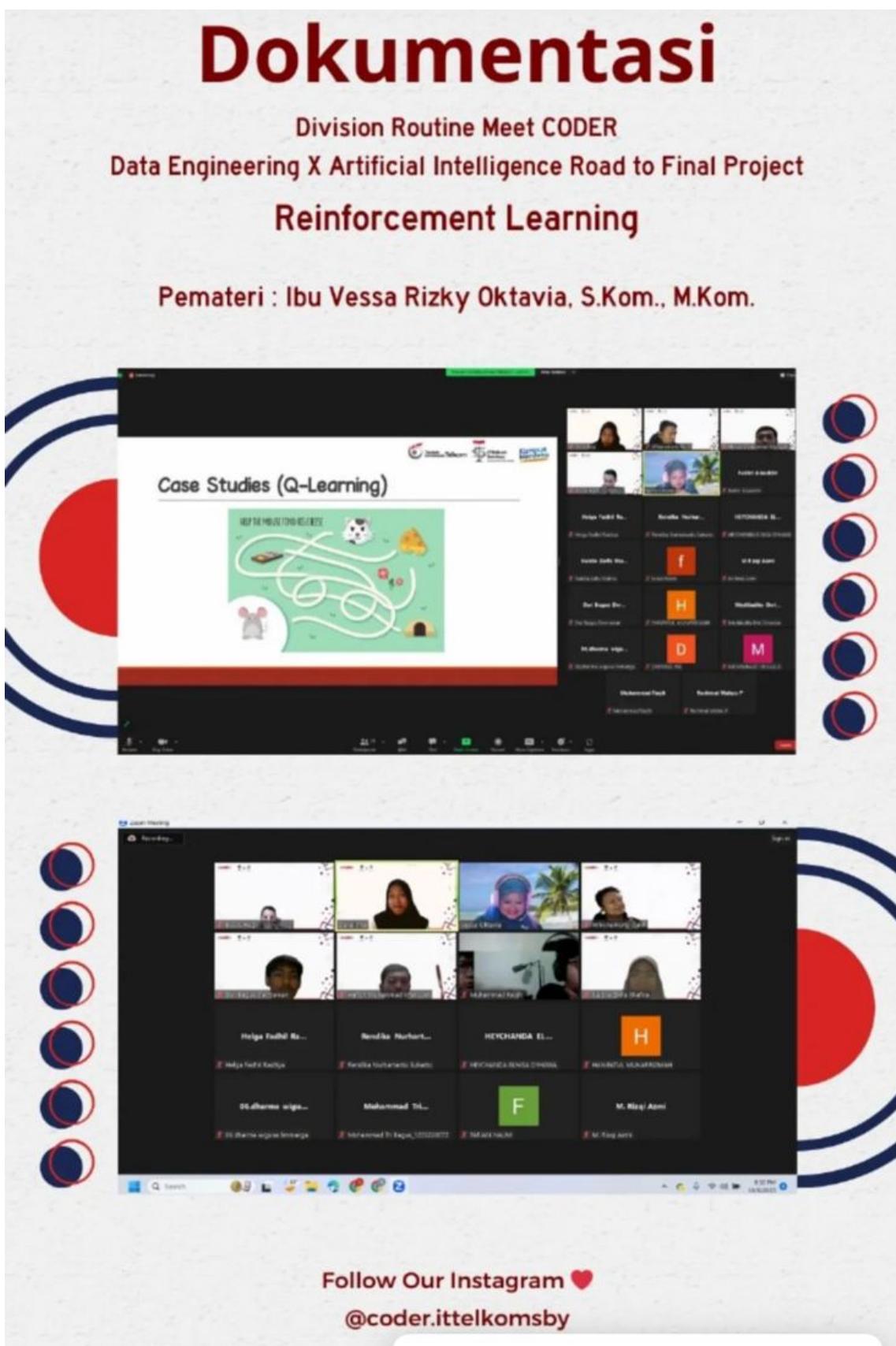
Unsupervised Learning



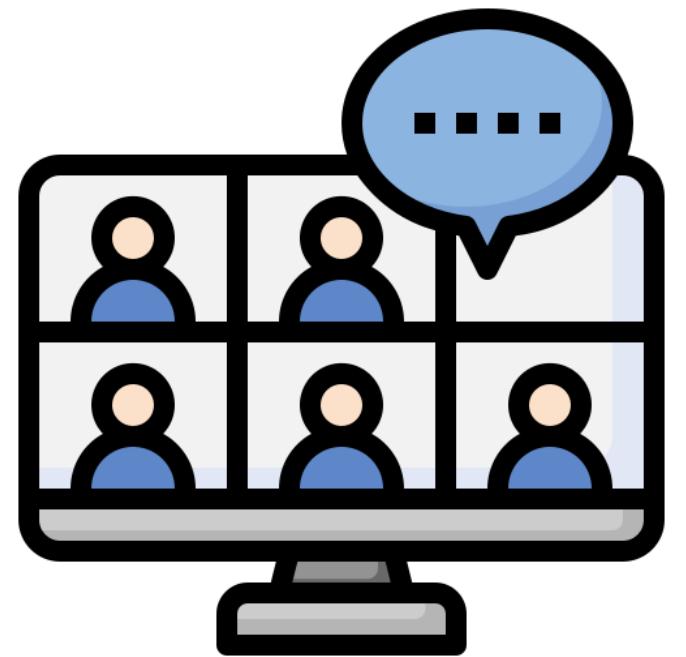
Reinforcement Learning

**HoF**

# Old Reccap



# Learning Style



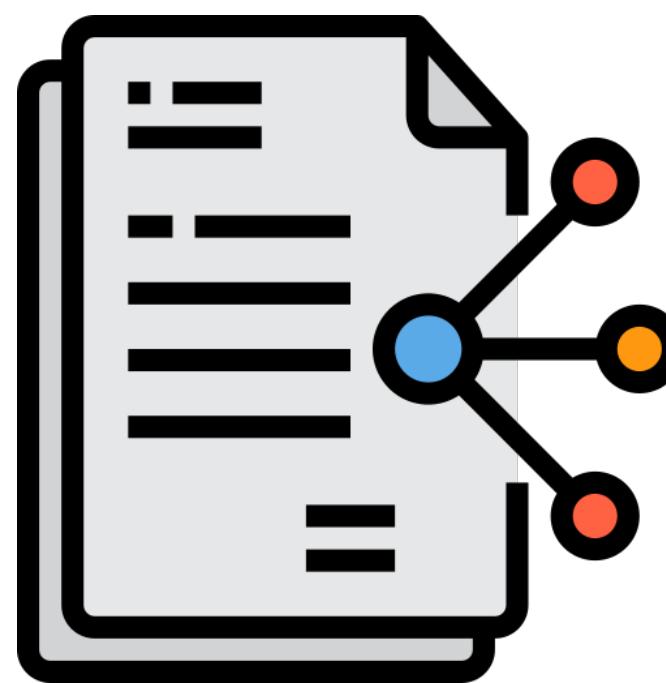
*Online*

60-120 minute



*Offline*

120 minute



*Weekly Sharing*

# LMS

***<https://coder.didimoforus.com/>***

# Feedback Form

***<https://upto.site/ff-dataeng>***

# Don't

1. Tidak mengikuti sesi tanpa ada konfirmasi
2. Terlambat mengumpulkan assignment
3. Meninggalkan sesi sebelum melakukan absensi

# Do

1. Sharing Informasi yang relevan di Grup
2. Bekerjasama ketika mendapat tugas berkelompok
3. Request Pemateri/ Materi

# Thank you

Don't forget to fill out the feedback form and click the attendance link